

attachmt AD

Docket No. GEN-T112XC1
Serial No. 09/326,402



SEQUENCE LISTING

RECEIVED
DEC 07 2001
TECH CENTER 1600/2800

<110> Blumenfeld, Marta
Bougueleret, Lydie
Chumakov, Ilya

<120> Polymorphic Markers of Prostate Carcinoma Tumor Antigen-1 (PCTA)

<130> GEN-T112XC1

<140> 09/326,402

<141> 1999-06-04

<150> 60/088,187

<151> 1998-06-05

<150> 60/102,324

<151> 1998-09-28

<160> 12

<170> PatentIn version 3.1

<210> 1

<211> 106746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1..68647

<223> 5'regulation region

<221> misc_feature

<222> 66647..68647

<223> promoter

<221> misc_feature

<222> 97156..106746

<223> 3'regulation region

<221> exon

<222> 68648..68741
<223> exon0

<221> exon
<222> 70647..70794
<223> exon1

<221> exon
<222> 82208..82296
<223> exon2

<221> exon
<222> 83613..83823
<223> exon3

<221> exon
<222> 85298..85417
<223> exon4

<221> exon
<222> 86389..86445
<223> exon5

<221> exon
<222> 87496..87522
<223> exon6

<221> exon
<222> 87650..87775
<223> exon6bis

<221> exon
<222> 88295..88383
<223> exon7

<221> exon
<222> 89484..89649
<223> exon8

<221> exon
<222> 92749..97155
<223> exon9

<221> exon
<222> 92749..92883
<223> exon9bis

<221> exon
<222> 95821..97155
<223> exon9ter

<221> misc_feature
<222> 70647..70794
<223> homology with genset EST : A241850

<221> misc_feature
<222> 68648..68741
<223> homology with genset EST : A241850

<221> misc_feature
<222> 82208..82229
<223> homology with genset EST : A241850

<221> allele
<222> 278
<223> 99-1601-278 : polymorphic base A or C

<221> allele
<222> 402
<223> 99-1601-402 : polymorphic base A or T

<221> allele
<222> 472
<223> 99-1601-472 : polymorphic base A or T

<221> allele
<222> 2955
<223> 99-13801-100 : polymorphic base T or C

<221> allele
<222> 12167
<223> 99-13806-166 : polymorphic base G or A

<221> allele
<222> 12536
<223> 99-13799-376 : polymorphic base T or G

<221> allele
<222> 17593
<223> 99-13798-297 : polymorphic base T or C

<221> allele
<222> 17606
<223> 99-13798-284 : polymorphic base T or C

<221> allele
<222> 22079
<223> 99-1602-200 : polymorphic base G or C

<221> allele
<222> 28964
<223> 99-13794-186 : polymorphic base T or C

<221> allele
<222> 29003
<223> 99-13794-147 : polymorphic base C or G

<221> allele
<222> 31077
<223> 99-13812-384 : polymorphic base T or C

<221> allele
<222> 31766
<223> 99-13805-313 : polymorphic base T or C

<221> allele
<222> 34791
<223> 99-1587-281 : polymorphic base A or G

<221> allele
<222> 45751
<223> 99-1582-430 : polymorphic base C or T

<221> allele
<222> 49847
<223> 99-1585-465 : polymorphic base T or C

<221> allele
<222> 49855
<223> 99-1585-457 : polymorphic base T or C

<221> allele
<222> 49886
<223> 99-1585-426 : polymorphic base G or A

<221> allele
<222> 49900
<223> 99-1585-412 : polymorphic base G or A

<221> allele
<222> 49906
<223> 99-1585-406 : polymorphic base C or A

<221> allele
<222> 49921
<223> 99-1585-391 : polymorphic base C or A

<221> allele
<222> 49939
<223> 99-1585-373 : polymorphic base G or A

<221> allele
<222> 50256
<223> 99-1585-55 : polymorphic base C or A

<221> allele
<222> 54955
<223> 99-1607-373 : polymorphic base T or C

<221> allele
<222> 64239
<223> 99-1577-105 : polymorphic base A or G

<221> allele
<222> 65436

<223> 99-1591-235 : polymorphic base A or G

<221> allele

<222> 65496

<223> 99-1591-295 : polymorphic base G or T

<221> allele

<222> 66967

<223> 99-1572-315 : polymorphic base C or T

<221> allele

<222> 66987

<223> 99-1572-335 : polymorphic base A or G

<221> allele

<222> 67092

<223> 99-1572-440 : polymorphic base C or T

<221> allele

<222> 67129

<223> 99-1572-477 : polymorphic base A or T

<221> allele

<222> 67229

<223> 99-1572-578 : polymorphic base C or T

<221> allele

<222> 67433

<223> 5-264-188 : polymorphic base A or G

<221> allele

<222> 67723

<223> 5-169-97 : polymorphic base G or C

<221> allele

<222> 67834

<223> 5-169-208 : polymorphic base A or G

<221> allele

<222> 67955

<223> 5-169-331 : polymorphic base C or T

<221> allele

<222> 68213

<223> 5-170-238 : polymorphic base A or G

<221> allele

<222> 68263

<223> 5-170-288 : polymorphic base A or C

<221> allele

<222> 68375

<223> 5-170-400 : polymorphic base G or C

<221> allele

<222> 68477
<223> 5-171-156 : polymorphic base G or T

<221> allele
<222> 68525
<223> 5-171-204 : polymorphic base C or T

<221> allele
<222> 68594
<223> 5-171-273 : polymorphic base A or G

<221> allele
<222> 68610
<223> 5-171-289 : polymorphic base C or T

<221> allele
<222> 70566
<223> 5-1-60 : polymorphic base C or T

<221> allele
<222> 70728
<223> 5-1-222 : polymorphic base A or G

<221> allele
<222> 80038
<223> 99-1578-99 : polymorphic base G or T

<221> allele
<222> 80118
<223> 99-1578-179 : polymorphic base A or T

<221> allele
<222> 80170
<223> 99-1578-231 : insertion AC

<221> allele
<222> 80183
<223> 99-1578-245 : deletion AT

<221> allele
<222> 80435
<223> 99-1578-496 : polymorphic base C or T

<221> allele
<222> 82090
<223> 5-2-30 : insertion CAG

<221> allele
<222> 82165
<223> 5-2-109 : polymorphic base G or T

<221> allele
<222> 82169
<223> 5-2-113 : deletion GTTT

<221> allele
<222> 82218
<223> 5-2-162 : polymorphic base A or T

<221> allele
<222> 82234
<223> 5-2-178 : polymorphic base C or T

<221> allele
<222> 82268
<223> 5-2-213 : polymorphic base C or T

<221> allele
<222> 82393
<223> 99-1605-112 : polymorphic base T or C

<221> allele
<222> 83587
<223> 5-3-27 : polymorphic base A or G

<221> allele
<222> 83643
<223> 5-3-83 : polymorphic base C or T

<221> allele
<222> 83644
<223> 5-3-84 : polymorphic base A or G

<221> allele
<222> 83808
<223> 5-3-248 : polymorphic base A or G

<221> allele
<222> 83881
<223> 5-3-321 : polymorphic base G or T

<221> allele
<222> 83884
<223> 5-3-324 : polymorphic base C or T

<221> allele
<222> 83909
<223> 5-4-313 : polymorphic base A or G

<221> allele
<222> 83937
<223> 5-3-377 : insertion TTG

<221> allele
<222> 83947
<223> 5-4-351 : polymorphic base C or T

<221> allele
<222> 83982
<223> 5-4-386 : polymorphic base A or G

<221> allele
<222> 83988
<223> 5-4-392 : polymorphic base GGG or TA

<221> allele
<222> 84047
<223> 5-260-255 : polymorphic base C or T

<221> allele
<222> 84092
<223> 5-260-300 : polymorphic base C or T

<221> allele
<222> 84145
<223> 5-260-353 : polymorphic base C or T

<221> allele
<222> 85202
<223> 5-9-50 : polymorphic base C or T

<221> allele
<222> 86259
<223> 5-5-21 : polymorphic base A or G

<221> allele
<222> 86323
<223> 5-5-85 : polymorphic base TATAAAATATT or ACAGGTTATATA

<221> allele
<222> 87713
<223> 5-202-95 : polymorphic base G or T

<221> allele
<222> 87735
<223> 5-202-117 : polymorphic base A or T

<221> allele
<222> 87787
<223> 5-202-169 : polymorphic base A or C

<221> allele
<222> 87806
<223> 5-202-188 : polymorphic base A or G

<221> allele
<222> 87860
<223> 5-202-242 : polymorphic base A or G

<221> allele
<222> 87902
<223> 5-202-284 : polymorphic base C or T

<221> allele
<222> 87980

<223> 5-202-362 : deletion CC

<221> allele
<222> 88012
<223> 5-202-394 : polymorphic base C or T

<221> allele
<222> 88215
<223> 5-7-113 : polymorphic base C or T

<221> allele
<222> 88283
<223> 5-7-181 : polymorphic base G or C

<221> allele
<222> 88297
<223> 5-7-195 : polymorphic base G or C

<221> allele
<222> 88442
<223> 5-7-340 : polymorphic base C or T

<221> allele
<222> 88471
<223> 5-7-369 : polymorphic base A or T

<221> allele
<222> 88480
<223> 5-7-378 : polymorphic base C or T

<221> allele
<222> 89394
<223> 5-181-57 : polymorphic base A or G

<221> allele
<222> 89464
<223> 5-181-127 : polymorphic base C or T

<221> allele
<222> 89471
<223> 5-181-134 : polymorphic base C or T

<221> allele
<222> 89658
<223> 5-181-321 : polymorphic base A or C

<221> allele
<222> 92760
<223> 5-10-39 : polymorphic base C or T

<221> allele
<222> 93023
<223> 5-10-302 : polymorphic base A or G

<221> allele

<222> 93055
<223> 5-10-334 : polymorphic base A or C

<221> allele
<222> 93247
<223> 5-11-158 : polymorphic base A or G

<221> allele
<222> 93319
<223> 5-11-230 : polymorphic base G or T

<221> allele
<222> 93323
<223> 5-11-234 : polymorphic base C or T

<221> allele
<222> 93388
<223> 5-11-299 : polymorphic base A or T

<221> allele
<222> 93393
<223> 5-11-304 : polymorphic base A or C

<221> allele
<222> 93418
<223> 5-11-329 : polymorphic base C or T

<221> allele
<222> 93515
<223> 5-12-56 : insertion CTTT

<221> allele
<222> 93726
<223> 5-12-267 : polymorphic base A or C

<221> allele
<222> 93903
<223> 5-13-145 : polymorphic base C or T

<221> allele
<222> 94170
<223> 5-14-44 : polymorphic base C or T

<221> allele
<222> 94218
<223> 5-14-93 : polymorphic base A or T

<221> allele
<222> 94269
<223> 5-14-144 : insertion T

<221> allele
<222> 94290
<223> 5-14-165 : polymorphic base C or T

<221> allele
<222> 94422
<223> 5-14-297 : polymorphic base A or C

<221> allele
<222> 94432
<223> 5-14-307 : polymorphic base G or T

<221> allele
<222> 94720
<223> 5-15-219 : polymorphic base A or T

<221> allele
<222> 94989
<223> 5-16-157 : polymorphic base A or G

<221> allele
<222> 95261
<223> 5-17-140 : polymorphic base A or G

<221> allele
<222> 95340
<223> 5-18-51 : polymorphic base G or T

<221> allele
<222> 95497
<223> 5-18-208 : polymorphic base A or C

<221> allele
<222> 95770
<223> 5-300-238 : polymorphic base C or T

<221> allele
<222> 95819
<223> 5-300-287 : polymorphic base A or G

<221> allele
<222> 96145
<223> 5-262-49 : insertion C

<221> allele
<222> 96181
<223> 5-262-85 : polymorphic base C or T

<221> allele
<222> 96350
<223> 5-262-254 : polymorphic base C or T

<221> allele
<222> 96951
<223> 5-263-404 : polymorphic base C or T

<221> allele
<222> 97144
<223> 5-265-244 : polymorphic base A or G

<221> allele
<222> 97276
<223> 5-265-376 : polymorphic base A or G

<221> allele
<222> 102267
<223> 99-7183-338 : polymorphic base C or T

<221> allele
<222> 105937
<223> 99-7207-138 : polymorphic base A or G

<221> misc_binding
<222> 258..277
<223> 99-1601-278.mis1

<221> misc_binding
<222> 279..298
<223> 99-1601-278.mis2 complement

<221> misc_binding
<222> 382..401
<223> 99-1601-402.mis1

<221> misc_binding
<222> 403..422
<223> 99-1601-402.mis2 complement

<221> misc_binding
<222> 452..471
<223> 99-1601-472.mis1

<221> misc_binding
<222> 473..492
<223> 99-1601-472.mis2 complement

<221> misc_binding
<222> 2935..2954
<223> 99-13801-100.mis2

<221> misc_binding
<222> 2956..2975
<223> 99-13801-100.mis1 complement

<221> misc_binding
<222> 12147..12166
<223> 99-13806-166.mis2

<221> misc_binding
<222> 12168..12187
<223> 99-13806-166.mis1 complement

<221> misc_binding
<222> 12516..12535

<223> 99-13799-376.mis2

<221> misc_binding

<222> 12537..12556

<223> 99-13799-376.mis1 complement

<221> misc_binding

<222> 17573..17592

<223> 99-13798-297.mis2

<221> misc_binding

<222> 17594..17613

<223> 99-13798-297.mis1 complement

<221> misc_binding

<222> 17586..17605

<223> 99-13798-284.mis2

<221> misc_binding

<222> 17607..17626

<223> 99-13798-284.mis1 complement

<221> misc_binding

<222> 22059..22078

<223> 99-1602-200.mis1

<221> misc_binding

<222> 22080..22099

<223> 99-1602-200.mis2 complement

<221> misc_binding

<222> 28944..28963

<223> 99-13794-186.mis2

<221> misc_binding

<222> 28965..28984

<223> 99-13794-186.mis1 complement

<221> misc_binding

<222> 28983..29002

<223> 99-13794-147.mis2

<221> misc_binding

<222> 29004..29023

<223> 99-13794-147.mis1 complement

<221> misc_binding

<222> 31057..31076

<223> 99-13812-384.mis2

<221> misc_binding

<222> 31078..31097

<223> 99-13812-384.mis1 complement

<221> misc_binding

<222> 31746..31765
<223> 99-13805-313.mis2

<221> misc_binding
<222> 31767..31786
<223> 99-13805-313.mis1 complement

<221> misc_binding
<222> 34771..34790
<223> 99-1587-281.mis1

<221> misc_binding
<222> 34792..34811
<223> 99-1587-281.mis2 complement

<221> misc_binding
<222> 45731..45750
<223> 99-1582-430.mis1

<221> misc_binding
<222> 45752..45771
<223> 99-1582-430.mis2 complement

<221> misc_binding
<222> 49827..49846
<223> 99-1585-465.mis2

<221> misc_binding
<222> 49848..49867
<223> 99-1585-465.mis1 complement

<221> misc_binding
<222> 49835..49854
<223> 99-1585-457.mis2

<221> misc_binding
<222> 49856..49875
<223> 99-1585-457.mis1 complement

<221> misc_binding
<222> 49866..49885
<223> 99-1585-426.mis2

<221> misc_binding
<222> 49887..49906
<223> 99-1585-426.mis1 complement

<221> misc_binding
<222> 49880..49899
<223> 99-1585-412.mis2

<221> misc_binding
<222> 49901..49920
<223> 99-1585-412.mis1 complement

<221> misc_binding
<222> 49886..49905
<223> 99-1585-406.mis2

<221> misc_binding
<222> 49907..49926
<223> 99-1585-406.mis1 complement

<221> misc_binding
<222> 49901..49920
<223> 99-1585-391.mis2

<221> misc_binding
<222> 49922..49941
<223> 99-1585-391.mis1 complement

<221> misc_binding
<222> 49919..49938
<223> 99-1585-373.mis2

<221> misc_binding
<222> 49940..49959
<223> 99-1585-373.mis1 complement

<221> misc_binding
<222> 50236..50255
<223> 99-1585-55.mis2

<221> misc_binding
<222> 50257..50276
<223> 99-1585-55.mis1 complement

<221> misc_binding
<222> 54935..54954
<223> 99-1607-373.mis2

<221> misc_binding
<222> 54956..54975
<223> 99-1607-373.mis1 complement

<221> misc_binding
<222> 64219..64238
<223> 99-1577-105.mis1

<221> misc_binding
<222> 64240..64259
<223> 99-1577-105.mis2 complement

<221> misc_binding
<222> 65416..65435
<223> 99-1591-235.mis1

<221> misc_binding
<222> 65437..65456
<223> 99-1591-235.mis2 complement

<221> misc_binding
<222> 65476..65495
<223> 99-1591-295.mis1

<221> misc_binding
<222> 65497..65516
<223> 99-1591-295.mis2 complement

<221> misc_binding
<222> 66947..66966
<223> 99-1572-315.mis1

<221> misc_binding
<222> 66968..66987
<223> 99-1572-315.mis2 complement

<221> misc_binding
<222> 66967..66986
<223> 99-1572-335.mis1

<221> misc_binding
<222> 66988..67007
<223> 99-1572-335.mis2 complement

<221> misc_binding
<222> 67072..67091
<223> 99-1572-440.mis1

<221> misc_binding
<222> 67093..67112
<223> 99-1572-440.mis2 complement

<221> misc_binding
<222> 67109..67128
<223> 99-1572-477.mis1

<221> misc_binding
<222> 67130..67149
<223> 99-1572-477.mis2 complement

<221> misc_binding
<222> 67209..67228
<223> 99-1572-578.mis1

<221> misc_binding
<222> 67230..67249
<223> 99-1572-578.mis2 complement

<221> misc_binding
<222> 67413..67432
<223> 5-264-188.mis1

<221> misc_binding
<222> 67434..67453

<223> 5-264-188.mis2 complement

<221> misc_binding

<222> 67703..67722

<223> 5-169-97.mis1

<221> misc_binding

<222> 67724..67743

<223> 5-169-97.mis2 complement

<221> misc_binding

<222> 67814..67833

<223> 5-169-208.mis1

<221> misc_binding

<222> 67835..67854

<223> 5-169-208.mis2 complement

<221> misc_binding

<222> 67935..67954

<223> 5-169-331.mis1

<221> misc_binding

<222> 67956..67975

<223> 5-169-331.mis2 complement

<221> misc_binding

<222> 68193..68212

<223> 5-170-238.mis1

<221> misc_binding

<222> 68214..68233

<223> 5-170-238.mis2 complement

<221> misc_binding

<222> 68243..68262

<223> 5-170-288.mis1

<221> misc_binding

<222> 68264..68283

<223> 5-170-288.mis2 complement

<221> misc_binding

<222> 68355..68374

<223> 5-170-400.mis1

<221> misc_binding

<222> 68376..68395

<223> 5-170-400.mis2 complement

<221> misc_binding

<222> 68457..68476

<223> 5-171-156.mis1

<221> misc_binding

<222> 68478..68497
<223> 5-171-156.mis2 complement

<221> misc_binding
<222> 68505..68524
<223> 5-171-204.mis1

<221> misc_binding
<222> 68526..68545
<223> 5-171-204.mis2 complement

<221> misc_binding
<222> 68574..68593
<223> 5-171-273.mis1

<221> misc_binding
<222> 68595..68614
<223> 5-171-273.mis2 complement

<221> misc_binding
<222> 68590..68609
<223> 5-171-289.mis1

<221> misc_binding
<222> 68611..68630
<223> 5-171-289.mis2 complement

<221> misc_binding
<222> 70546..70565
<223> 5-1-60.mis1

<221> misc_binding
<222> 70567..70586
<223> 5-1-60.mis2 complement

<221> misc_binding
<222> 70708..70727
<223> 5-1-222.mis1

<221> misc_binding
<222> 70729..70748
<223> 5-1-222.mis2 complement

<221> misc_binding
<222> 80018..80037
<223> 99-1578-99.mis1

<221> misc_binding
<222> 80039..80058
<223> 99-1578-99.mis2 complement

<221> misc_binding
<222> 80098..80117
<223> 99-1578-179.mis1

<221> misc_binding
<222> 80119..80138
<223> 99-1578-179.mis2 complement

<221> misc_binding
<222> 80150..80169
<223> 99-1578-231.mis1

<221> misc_binding
<222> 80171..80190
<223> 99-1578-231.mis2 complement

<221> misc_binding
<222> 80163..80182
<223> 99-1578-245.mis1

<221> misc_binding
<222> 80184..80203
<223> 99-1578-245.mis2 complement

<221> misc_binding
<222> 80415..80434
<223> 99-1578-496.mis1

<221> misc_binding
<222> 80436..80455
<223> 99-1578-496.mis2 complement

<221> misc_binding
<222> 82070..82089
<223> 5-2-30.mis1

<221> misc_binding
<222> 82091..82110
<223> 5-2-30.mis2 complement

<221> misc_binding
<222> 82145..82164
<223> 5-2-109.mis1

<221> misc_binding
<222> 82166..82185
<223> 5-2-109.mis2 complement

<221> misc_binding
<222> 82149..82168
<223> 5-2-113.mis1

<221> misc_binding
<222> 82170..82189
<223> 5-2-113.mis2 complement

<221> misc_binding
<222> 82198..82217
<223> 5-2-162.mis1

<221> misc_binding
<222> 82219..82238
<223> 5-2-162.mis2 complement

<221> misc_binding
<222> 82214..82233
<223> 5-2-178.mis1

<221> misc_binding
<222> 82235..82254
<223> 5-2-178.mis2 complement

<221> misc_binding
<222> 82248..82267
<223> 5-2-213.mis1

<221> misc_binding
<222> 82269..82288
<223> 5-2-213.mis2 complement

<221> misc_binding
<222> 82373..82392
<223> 99-1605-112.mis2

<221> misc_binding
<222> 82394..82413
<223> 99-1605-112.mis1 complement

<221> misc_binding
<222> 83567..83586
<223> 5-3-27.mis1

<221> misc_binding
<222> 83588..83607
<223> 5-3-27.mis2 complement

<221> misc_binding
<222> 83623..83642
<223> 5-3-83.mis1

<221> misc_binding
<222> 83644..83663
<223> 5-3-83.mis2 complement

<221> misc_binding
<222> 83624..83643
<223> 5-3-84.mis1

<221> misc_binding
<222> 83645..83664
<223> 5-3-84.mis2 complement

<221> misc_binding
<222> 83788..83807

<223> 5-3-248.mis1

<221> misc_binding
<222> 83809..83828
<223> 5-3-248.mis2 complement

<221> misc_binding
<222> 83861..83880
<223> 5-3-321.mis1

<221> misc_binding
<222> 83882..83901
<223> 5-3-321.mis2 complement

<221> misc_binding
<222> 83864..83883
<223> 5-3-324.mis1

<221> misc_binding
<222> 83885..83904
<223> 5-3-324.mis2 complement

<221> misc_binding
<222> 83889..83908
<223> 5-4-313.mis1

<221> misc_binding
<222> 83910..83929
<223> 5-4-313.mis2 complement

<221> misc_binding
<222> 83917..83936
<223> 5-3-377.mis1

<221> misc_binding
<222> 83938..83957
<223> 5-3-377.mis2 complement

<221> misc_binding
<222> 83927..83946
<223> 5-4-351.mis1

<221> misc_binding
<222> 83948..83967
<223> 5-4-351.mis2 complement

<221> misc_binding
<222> 83962..83981
<223> 5-4-386.mis1

<221> misc_binding
<222> 83983..84002
<223> 5-4-386.mis2 complement

<221> misc_binding

<222> 83968..83987
<223> 5-4-392.mis1

<221> misc_binding
<222> 83989..84008
<223> 5-4-392.mis2 complement

<221> misc_binding
<222> 84027..84046
<223> 5-260-255.mis1

<221> misc_binding
<222> 84048..84067
<223> 5-260-255.mis2 complement

<221> misc_binding
<222> 84072..84091
<223> 5-260-300.mis1

<221> misc_binding
<222> 84093..84112
<223> 5-260-300.mis2 complement

<221> misc_binding
<222> 84125..84144
<223> 5-260-353.mis1

<221> misc_binding
<222> 84146..84165
<223> 5-260-353.mis2 complement

<221> misc_binding
<222> 85182..85201
<223> 5-9-50.mis1

<221> misc_binding
<222> 85203..85222
<223> 5-9-50.mis2 complement

<221> misc_binding
<222> 86239..86258
<223> 5-5-21.mis1

<221> misc_binding
<222> 86260..86279
<223> 5-5-21.mis2 complement

<221> misc_binding
<222> 86303..86322
<223> 5-5-85.mis1

<221> misc_binding
<222> 86324..86343
<223> 5-5-85.mis2 complement

<221> misc_binding
<222> 87693..87712
<223> 5-202-95.mis1

<221> misc_binding
<222> 87714..87733
<223> 5-202-95.mis2 complement

<221> misc_binding
<222> 87715..87734
<223> 5-202-117.mis1

<221> misc_binding
<222> 87736..87755
<223> 5-202-117.mis2 complement

<221> misc_binding
<222> 87767..87786
<223> 5-202-169.mis1

<221> misc_binding
<222> 87788..87807
<223> 5-202-169.mis2 complement

<221> misc_binding
<222> 87786..87805
<223> 5-202-188.mis1

<221> misc_binding
<222> 87807..87826
<223> 5-202-188.mis2 complement

<221> misc_binding
<222> 87840..87859
<223> 5-202-242.mis1

<221> misc_binding
<222> 87861..87880
<223> 5-202-242.mis2 complement

<221> misc_binding
<222> 87882..87901
<223> 5-202-284.mis1

<221> misc_binding
<222> 87903..87922
<223> 5-202-284.mis2 complement

<221> misc_binding
<222> 87960..87979
<223> 5-202-362.mis1

<221> misc_binding
<222> 87981..88000
<223> 5-202-362.mis2 complement

<221> misc_binding
<222> 87992..88011
<223> 5-202-394.mis1

<221> misc_binding
<222> 88013..88032
<223> 5-202-394.mis2 complement

<221> misc_binding
<222> 88195..88214
<223> 5-7-113.mis1

<221> misc_binding
<222> 88216..88235
<223> 5-7-113.mis2 complement

<221> misc_binding
<222> 88263..88282
<223> 5-7-181.mis1

<221> misc_binding
<222> 88284..88303
<223> 5-7-181.mis2 complement

<221> misc_binding
<222> 88277..88296
<223> 5-7-195.mis1

<221> misc_binding
<222> 88298..88317
<223> 5-7-195.mis2 complement

<221> misc_binding
<222> 88422..88441
<223> 5-7-340.mis1

<221> misc_binding
<222> 88443..88462
<223> 5-7-340.mis2 complement

<221> misc_binding
<222> 88451..88470
<223> 5-7-369.mis1

<221> misc_binding
<222> 88472..88491
<223> 5-7-369.mis2 complement

<221> misc_binding
<222> 88460..88479
<223> 5-7-378.mis1

<221> misc_binding
<222> 88481..88500

<223> 5-7-378.mis2 complement

<221> misc_binding
<222> 89374..89393
<223> 5-181-57.mis1

<221> misc_binding
<222> 89395..89414
<223> 5-181-57.mis2 complement

<221> misc_binding
<222> 89444..89463
<223> 5-181-127.mis1

<221> misc_binding
<222> 89465..89484
<223> 5-181-127.mis2 complement

<221> misc_binding
<222> 89451..89470
<223> 5-181-134.mis1

<221> misc_binding
<222> 89472..89491
<223> 5-181-134.mis2 complement

<221> misc_binding
<222> 89638..89657
<223> 5-181-321.mis1

<221> misc_binding
<222> 89659..89678
<223> 5-181-321.mis2 complement

<221> misc_binding
<222> 92740..92759
<223> 5-10-39.mis1

<221> misc_binding
<222> 92761..92780
<223> 5-10-39.mis2 complement

<221> misc_binding
<222> 93003..93022
<223> 5-10-302.mis1

<221> misc_binding
<222> 93024..93043
<223> 5-10-302.mis2 complement

<221> misc_binding
<222> 93035..93054
<223> 5-10-334.mis1

<221> misc_binding

<222> 93056..93075
<223> 5-10-334.mis2 complement

<221> misc_binding
<222> 93227..93246
<223> 5-11-158.mis1

<221> misc_binding
<222> 93248..93267
<223> 5-11-158.mis2 complement

<221> misc_binding
<222> 93299..93318
<223> 5-11-230.mis1

<221> misc_binding
<222> 93320..93339
<223> 5-11-230.mis2 complement

<221> misc_binding
<222> 93303..93322
<223> 5-11-234.mis1

<221> misc_binding
<222> 93324..93343
<223> 5-11-234.mis2 complement

<221> misc_binding
<222> 93368..93387
<223> 5-11-299.mis1

<221> misc_binding
<222> 93389..93408
<223> 5-11-299.mis2 complement

<221> misc_binding
<222> 93373..93392
<223> 5-11-304.mis1

<221> misc_binding
<222> 93394..93413
<223> 5-11-304.mis2 complement

<221> misc_binding
<222> 93398..93417
<223> 5-11-329.mis1

<221> misc_binding
<222> 93419..93438
<223> 5-11-329.mis2 complement

<221> misc_binding
<222> 93495..93514
<223> 5-12-56.mis1

<221> misc_binding
<222> 93516..93535
<223> 5-12-56.mis2 complement

<221> misc_binding
<222> 93706..93725
<223> 5-12-267.mis1

<221> misc_binding
<222> 93727..93746
<223> 5-12-267.mis2 complement

<221> misc_binding
<222> 93883..93902
<223> 5-13-145.mis1

<221> misc_binding
<222> 93904..93923
<223> 5-13-145.mis2 complement

<221> misc_binding
<222> 94150..94169
<223> 5-14-44.mis1

<221> misc_binding
<222> 94171..94190
<223> 5-14-44.mis2 complement

<221> misc_binding
<222> 94198..94217
<223> 5-14-93.mis1

<221> misc_binding
<222> 94219..94238
<223> 5-14-93.mis2 complement

<221> misc_binding
<222> 94249..94268
<223> 5-14-144.mis1

<221> misc_binding
<222> 94270..94289
<223> 5-14-144.mis2 complement

<221> misc_binding
<222> 94270..94289
<223> 5-14-165.mis1

<221> misc_binding
<222> 94291..94310
<223> 5-14-165.mis2 complement

<221> misc_binding
<222> 94402..94421
<223> 5-14-297.mis1

<221> misc_binding
<222> 94423..94442
<223> 5-14-297.mis2 complement

<221> misc_binding
<222> 94412..94431
<223> 5-14-307.mis1

<221> misc_binding
<222> 94433..94452
<223> 5-14-307.mis2 complement

<221> misc_binding
<222> 94700..94719
<223> 5-15-219.mis1

<221> misc_binding
<222> 94721..94740
<223> 5-15-219.mis2 complement

<221> misc_binding
<222> 94969..94988
<223> 5-16-157.mis1

<221> misc_binding
<222> 94990..95009
<223> 5-16-157.mis2 complement

<221> misc_binding
<222> 95241..95260
<223> 5-17-140.mis1

<221> misc_binding
<222> 95262..95281
<223> 5-17-140.mis2 complement

<221> misc_binding
<222> 95320..95339
<223> 5-18-51.mis1

<221> misc_binding
<222> 95341..95360
<223> 5-18-51.mis2 complement

<221> misc_binding
<222> 95477..95496
<223> 5-18-208.mis1

<221> misc_binding
<222> 95498..95517
<223> 5-18-208.mis2 complement

<221> misc_binding
<222> 95750..95769

<223> 5-300-238.mis1

<221> misc_binding
<222> 95771..95790
<223> 5-300-238.mis2 complement

<221> misc_binding
<222> 95799..95818
<223> 5-300-287.mis1

<221> misc_binding
<222> 95820..95839
<223> 5-300-287.mis2 complement

<221> misc_binding
<222> 96125..96144
<223> 5-262-49.mis1

<221> misc_binding
<222> 96146..96165
<223> 5-262-49.mis2 complement

<221> misc_binding
<222> 96161..96180
<223> 5-262-85.mis1

<221> misc_binding
<222> 96182..96201
<223> 5-262-85.mis2 complement

<221> misc_binding
<222> 96330..96349
<223> 5-262-254.mis1

<221> misc_binding
<222> 96351..96370
<223> 5-262-254.mis2 complement

<221> misc_binding
<222> 96931..96950
<223> 5-263-404.mis1

<221> misc_binding
<222> 96952..96971
<223> 5-263-404.mis2 complement

<221> misc_binding
<222> 97124..97143
<223> 5-265-244.mis1

<221> misc_binding
<222> 97145..97164
<223> 5-265-244.mis2 complement

<221> misc_binding

<222> 97256..97275
<223> 5-265-376.mis1

<221> misc_binding
<222> 97277..97296
<223> 5-265-376.mis2 complement

<221> misc_binding
<222> 102247..102266
<223> 99-7183-338.mis2

<221> misc_binding
<222> 102268..102287
<223> 99-7183-338.mis1 complement

<221> misc_binding
<222> 105917..105936
<223> 99-7207-138.mis2

<221> misc_binding
<222> 105938..105957
<223> 99-7207-138.mis1 complement

<221> misc_binding
<222> 255..301
<223> 99-1601-278.probe

<221> misc_binding
<222> 379..425
<223> 99-1601-402.probe

<221> misc_binding
<222> 449..495
<223> 99-1601-472.probe

<221> misc_binding
<222> 2932..2978
<223> 99-13801-100.probe

<221> misc_binding
<222> 12144..12190
<223> 99-13806-166.probe

<221> misc_binding
<222> 12513..12559
<223> 99-13799-376.probe

<221> misc_binding
<222> 17570..17616
<223> 99-13798-297.probe

<221> misc_binding
<222> 17583..17629
<223> 99-13798-284.probe

<221> misc_binding
<222> 22056..22102
<223> 99-1602-200.probe

<221> misc_binding
<222> 28941..28987
<223> 99-13794-186.probe

<221> misc_binding
<222> 28980..29026
<223> 99-13794-147.probe

<221> misc_binding
<222> 31054..31100
<223> 99-13812-384.probe

<221> misc_binding
<222> 31743..31789
<223> 99-13805-313.probe

<221> misc_binding
<222> 34768..34814
<223> 99-1587-281.probe

<221> misc_binding
<222> 45728..45774
<223> 99-1582-430.probe

<221> misc_binding
<222> 49824..49870
<223> 99-1585-465.probe

<221> misc_binding
<222> 49832..49878
<223> 99-1585-457.probe

<221> misc_binding
<222> 49863..49909
<223> 99-1585-426.probe

<221> misc_binding
<222> 49877..49923
<223> 99-1585-412.probe

<221> misc_binding
<222> 49883..49929
<223> 99-1585-406.probe

<221> misc_binding
<222> 49898..49944
<223> 99-1585-391.probe

<221> misc_binding
<222> 49916..49962
<223> 99-1585-373.probe

<221> misc_binding
<222> 50233..50279
<223> 99-1585-55.probe

<221> misc_binding
<222> 54932..54978
<223> 99-1607-373.probe

<221> misc_binding
<222> 64216..64262
<223> 99-1577-105.probe

<221> misc_binding
<222> 65413..65459
<223> 99-1591-235.probe

<221> misc_binding
<222> 65473..65519
<223> 99-1591-295.probe

<221> misc_binding
<222> 66944..66990
<223> 99-1572-315.probe

<221> misc_binding
<222> 66964..67010
<223> 99-1572-335.probe

<221> misc_binding
<222> 67069..67115
<223> 99-1572-440.probe

<221> misc_binding
<222> 67106..67152
<223> 99-1572-477.probe

<221> misc_binding
<222> 67206..67252
<223> 99-1572-578.probe

<221> misc_binding
<222> 67410..67456
<223> 5-264-188.probe

<221> misc_binding
<222> 67700..67746
<223> 5-169-97.probe

<221> misc_binding
<222> 67811..67857
<223> 5-169-208.probe

<221> misc_binding
<222> 67932..67978

<223> 5-169-331.probe

<221> misc_binding

<222> 68190..68236

<223> 5-170-238.probe

<221> misc_binding

<222> 68240..68286

<223> 5-170-288.probe

<221> misc_binding

<222> 68352..68398

<223> 5-170-400.probe

<221> misc_binding

<222> 68454..68500

<223> 5-171-156.probe

<221> misc_binding

<222> 68502..68548

<223> 5-171-204.probe

<221> misc_binding

<222> 68571..68617

<223> 5-171-273.probe

<221> misc_binding

<222> 68587..68633

<223> 5-171-289.probe

<221> misc_binding

<222> 70543..70589

<223> 5-1-60.probe

<221> misc_binding

<222> 70705..70751

<223> 5-1-222.probe

<221> misc_binding

<222> 80015..80061

<223> 99-1578-99.probe

<221> misc_binding

<222> 80095..80141

<223> 99-1578-179.probe

<221> misc_binding

<222> 80147..80193

<223> 99-1578-231.probe

<221> misc_binding

<222> 80160..80206

<223> 99-1578-245.probe

<221> misc_binding

<222> 80412..80458
<223> 99-1578-496.probe

<221> misc_binding
<222> 82067..82113
<223> 5-2-30.probe

<221> misc_binding
<222> 82142..82188
<223> 5-2-109.probe

<221> misc_binding
<222> 82146..82192
<223> 5-2-113.probe

<221> misc_binding
<222> 82195..82241
<223> 5-2-162.probe

<221> misc_binding
<222> 82211..82257
<223> 5-2-178.probe

<221> misc_binding
<222> 82245..82291
<223> 5-2-213.probe

<221> misc_binding
<222> 82370..82416
<223> 99-1605-112.probe

<221> misc_binding
<222> 83564..83610
<223> 5-3-27.probe

<221> misc_binding
<222> 83620..83666
<223> 5-3-83.probe

<221> misc_binding
<222> 83621..83667
<223> 5-3-84.probe

<221> misc_binding
<222> 83785..83831
<223> 5-3-248.probe

<221> misc_binding
<222> 83858..83904
<223> 5-3-321.probe

<221> misc_binding
<222> 83861..83907
<223> 5-3-324.probe

<221> misc_binding
<222> 83886..83932
<223> 5-4-313.probe

<221> misc_binding
<222> 83914..83960
<223> 5-3-377.probe

<221> misc_binding
<222> 83924..83970
<223> 5-4-351.probe

<221> misc_binding
<222> 83959..84005
<223> 5-4-386.probe

<221> misc_binding
<222> 83965..84011
<223> 5-4-392.probe

<221> misc_binding
<222> 84024..84070
<223> 5-260-255.probe

<221> misc_binding
<222> 84069..84115
<223> 5-260-300.probe

<221> misc_binding
<222> 84122..84168
<223> 5-260-353.probe

<221> misc_binding
<222> 85179..85225
<223> 5-9-50.probe

<221> misc_binding
<222> 86236..86282
<223> 5-5-21.probe

<221> misc_binding
<222> 86300..86346
<223> 5-5-85.probe

<221> misc_binding
<222> 87690..87736
<223> 5-202-95.probe

<221> misc_binding
<222> 87712..87758
<223> 5-202-117.probe

<221> misc_binding
<222> 87764..87810
<223> 5-202-169.probe

<221> misc_binding
<222> 87783..87829
<223> 5-202-188.probe

<221> misc_binding
<222> 87837..87883
<223> 5-202-242.probe

<221> misc_binding
<222> 87879..87925
<223> 5-202-284.probe

<221> misc_binding
<222> 87957..88003
<223> 5-202-362.probe

<221> misc_binding
<222> 87989..88035
<223> 5-202-394.probe

<221> misc_binding
<222> 88192..88238
<223> 5-7-113.probe

<221> misc_binding
<222> 88260..88306
<223> 5-7-181.probe

<221> misc_binding
<222> 88274..88320
<223> 5-7-195.probe

<221> misc_binding
<222> 88419..88465
<223> 5-7-340.probe

<221> misc_binding
<222> 88448..88494
<223> 5-7-369.probe

<221> misc_binding
<222> 88457..88503
<223> 5-7-378.probe

<221> misc_binding
<222> 89371..89417
<223> 5-181-57.probe

<221> misc_binding
<222> 89441..89487
<223> 5-181-127.probe

<221> misc_binding
<222> 89448..89494

<223> 5-181-134.probe

<221> misc_binding

<222> 89635..89681

<223> 5-181-321.probe

<221> misc_binding

<222> 92737..92783

<223> 5-10-39.probe

<221> misc_binding

<222> 93000..93046

<223> 5-10-302.probe

<221> misc_binding

<222> 93032..93078

<223> 5-10-334.probe

<221> misc_binding

<222> 93224..93270

<223> 5-11-158.probe

<221> misc_binding

<222> 93296..93342

<223> 5-11-230.probe

<221> misc_binding

<222> 93300..93346

<223> 5-11-234.probe

<221> misc_binding

<222> 93365..93411

<223> 5-11-299.probe

<221> misc_binding

<222> 93370..93416

<223> 5-11-304.probe

<221> misc_binding

<222> 93395..93441

<223> 5-11-329.probe

<221> misc_binding

<222> 93492..93538

<223> 5-12-56.probe

<221> misc_binding

<222> 93703..93749

<223> 5-12-267.probe

<221> misc_binding

<222> 93880..93926

<223> 5-13-145.probe

<221> misc_binding

<222> 94147..94193
<223> 5-14-44.probe

<221> misc_binding
<222> 94195..94241
<223> 5-14-93.probe

<221> misc_binding
<222> 94246..94292
<223> 5-14-144.probe

<221> misc_binding
<222> 94267..94313
<223> 5-14-165.probe

<221> misc_binding
<222> 94399..94445
<223> 5-14-297.probe

<221> misc_binding
<222> 94409..94455
<223> 5-14-307.probe

<221> misc_binding
<222> 94697..94743
<223> 5-15-219.probe

<221> misc_binding
<222> 94966..95012
<223> 5-16-157.probe

<221> misc_binding
<222> 95238..95284
<223> 5-17-140.probe

<221> misc_binding
<222> 95317..95363
<223> 5-18-51.probe

<221> misc_binding
<222> 95474..95520
<223> 5-18-208.probe

<221> misc_binding
<222> 95747..95793
<223> 5-300-238.probe

<221> misc_binding
<222> 95796..95842
<223> 5-300-287.probe

<221> misc_binding
<222> 96122..96168
<223> 5-262-49.probe

<221> misc_binding
<222> 96158..96204
<223> 5-262-85.probe

<221> misc_binding
<222> 96327..96373
<223> 5-262-254.probe

<221> misc_binding
<222> 96928..96974
<223> 5-263-404.probe

<221> misc_binding
<222> 97121..97167
<223> 5-265-244.probe

<221> misc_binding
<222> 97253..97299
<223> 5-265-376.probe

<221> misc_binding
<222> 102244..102290
<223> 99-7183-338.probe

<221> misc_binding
<222> 105914..105960
<223> 99-7207-138.probe

<221> misc_binding
<222> 1..18
<223> 99-1601.pu

<221> misc_binding
<222> 486..506
<223> 99-1601.rp complement

<221> misc_binding
<222> 2607..2627
<223> 99-13801.rp

<221> misc_binding
<222> 3035..3054
<223> 99-13801.pu complement

<221> misc_binding
<222> 11883..11902
<223> 99-13806.rp

<221> misc_binding
<222> 12313..12331
<223> 99-13806.pu complement

<221> misc_binding
<222> 12379..12399
<223> 99-13799.rp

<221> misc_binding
<222> 12889..12909
<223> 99-13799.pu complement

<221> misc_binding
<222> 17442..17462
<223> 99-13798.rp

<221> misc_binding
<222> 17868..17887
<223> 99-13798.pu complement

<221> misc_binding
<222> 21881..21899
<223> 99-1602.pu

<221> misc_binding
<222> 22487..22506
<223> 99-1602.rp complement

<221> misc_binding
<222> 28669..28689
<223> 99-13794.rp

<221> misc_binding
<222> 29131..29149
<223> 99-13794.pu complement

<221> misc_binding
<222> 30941..30961
<223> 99-13812.rp

<221> misc_binding
<222> 31437..31457
<223> 99-13812.pu complement

<221> misc_binding
<222> 31560..31579
<223> 99-13805.rp

<221> misc_binding
<222> 32057..32075
<223> 99-13805.pu complement

<221> misc_binding
<222> 34515..34535
<223> 99-1587.pu

<221> misc_binding
<222> 34890..34909
<223> 99-1587.rp complement

<221> misc_binding
<222> 45325..45343

<223> 99-1582.pu

<221> misc_binding
<222> 46000..46018
<223> 99-1582.rp complement

<221> misc_binding
<222> 49765..49784
<223> 99-1585.rp

<221> misc_binding
<222> 50291..50310
<223> 99-1585.pu complement

<221> misc_binding
<222> 54726..54746
<223> 99-1607.rp

<221> misc_binding
<222> 55307..55325
<223> 99-1607.pu complement

<221> misc_binding
<222> 64135..64153
<223> 99-1577.pu

<221> misc_binding
<222> 64518..64536
<223> 99-1577.rp complement

<221> misc_binding
<222> 65202..65219
<223> 99-1591.pu

<221> misc_binding
<222> 65815..65834
<223> 99-1591.rp complement

<221> misc_binding
<222> 66653..66671
<223> 99-1572.pu

<221> misc_binding
<222> 67275..67295
<223> 99-1572.rp complement

<221> misc_binding
<222> 67627..67646
<223> 5-169.pu

<221> misc_binding
<222> 68024..68043
<223> 5-169.rp complement

<221> misc_binding

<222> 67246..67263
<223> 5-264.pu

<221> misc_binding
<222> 67678..67696
<223> 5-264.rp complement

<221> misc_binding
<222> 67977..67994
<223> 5-170.pu

<221> misc_binding
<222> 68406..68424
<223> 5-170.rp complement

<221> misc_binding
<222> 68322..68340
<223> 5-171.pu

<221> misc_binding
<222> 68725..68742
<223> 5-171.rp complement

<221> misc_binding
<222> 70507..70524
<223> 5-1.pu

<221> misc_binding
<222> 70909..70928
<223> 5-1.rp complement

<221> misc_binding
<222> 79940..79957
<223> 99-1578.pu

<221> misc_binding
<222> 80557..80575
<223> 99-1578.rp complement

<221> misc_binding
<222> 82057..82077
<223> 99-1605.rp

<221> misc_binding
<222> 82484..82504
<223> 99-1605.pu complement

<221> misc_binding
<222> 82058..82077
<223> 5-2.pu

<221> misc_binding
<222> 82473..82492
<223> 5-2.rp complement

<221> misc_binding
<222> 83561..83578
<223> 5-3.pu

<221> misc_binding
<222> 83965..83982
<223> 5-3.rp complement

<221> misc_binding
<222> 83597..83616
<223> 5-4.pu

<221> misc_binding
<222> 83999..84017
<223> 5-4.rp complement

<221> misc_binding
<222> 83793..83812
<223> 5-260.pu

<221> misc_binding
<222> 84148..84167
<223> 5-260.rp complement

<221> misc_binding
<222> 85153..85170
<223> 5-9.pu

<221> misc_binding
<222> 85559..85576
<223> 5-9.rp complement

<221> misc_binding
<222> 86239..86257
<223> 5-5.pu

<221> misc_binding
<222> 86519..86539
<223> 5-5.rp complement

<221> misc_binding
<222> 87619..87638
<223> 5-202.pu

<221> misc_binding
<222> 88033..88050
<223> 5-202.rp complement

<221> misc_binding
<222> 88104..88122
<223> 5-7.pu

<221> misc_binding
<222> 88519..88536
<223> 5-7.rp complement

<221> misc_binding
<222> 89338..89357
<223> 5-181.pu

<221> misc_binding
<222> 89739..89758
<223> 5-181.rp complement

<221> misc_binding
<222> 92722..92741
<223> 5-10.pu

<221> misc_binding
<222> 93124..93142
<223> 5-10.rp complement

<221> misc_binding
<222> 93090..93108
<223> 5-11.pu

<221> misc_binding
<222> 93490..93509
<223> 5-11.rp complement

<221> misc_binding
<222> 93460..93478
<223> 5-12.pu

<221> misc_binding
<222> 93862..93881
<223> 5-12.rp complement

<221> misc_binding
<222> 93759..93776
<223> 5-13.pu

<221> misc_binding
<222> 94175..94192
<223> 5-13.rp complement

<221> misc_binding
<222> 94127..94144
<223> 5-14.pu

<221> misc_binding
<222> 94535..94554
<223> 5-14.rp complement

<221> misc_binding
<222> 94504..94521
<223> 5-15.pu

<221> misc_binding
<222> 94904..94921

<223> 5-15.rp complement

<221> misc_binding

<222> 94833..94850

<223> 5-16.pu

<221> misc_binding

<222> 95232..95251

<223> 5-16.rp complement

<221> misc_binding

<222> 95124..95142

<223> 5-17.pu

<221> misc_binding

<222> 95542..95561

<223> 5-17.rp complement

<221> misc_binding

<222> 95290..95308

<223> 5-18.pu

<221> misc_binding

<222> 95689..95708

<223> 5-18.rp complement

<221> misc_binding

<222> 95533..95551

<223> 5-300.pu

<221> misc_binding

<222> 95934..95952

<223> 5-300.rp complement

<221> misc_binding

<222> 96097..96115

<223> 5-262.pu

<221> misc_binding

<222> 96574..96591

<223> 5-262.rp complement

<221> misc_binding

<222> 96548..96565

<223> 5-263.pu

<221> misc_binding

<222> 96982..97001

<223> 5-263.rp complement

<221> misc_binding

<222> 96901..96918

<223> 5-265.pu

<221> misc_binding

<222> 97292..97309
<223> 5-265.rp complement

<221> misc_binding
<222> 102156..102176
<223> 99-7183.rp

<221> misc_binding
<222> 102584..102604
<223> 99-7183.pu complement

<221> misc_binding
<222> 105570..105588
<223> 99-7207.rp

<221> misc_binding
<222> 106056..106074
<223> 99-7207.pu complement

<221> misc_feature
<222> 86434
<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature
<222> 86435
<223> diverging nucleotide T in reference genbank : L78132

<221> misc_feature
<222> 88355
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 92976
<223> insertion of G in reference genbank : L78132

<221> misc_feature
<222> 93240
<223> diverging nucleotide T in reference genbank : L78132

<221> misc_feature
<222> 93471
<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature
<222> 93592
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 93680
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 93681
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 93682
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 93683
<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature
<222> 93712
<223> deletion of A in reference genbank : L78132

<221> misc_feature
<222> 93728
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 93747
<223> diverging nucleotide T in reference genbank : L78132

<221> misc_feature
<222> 93761
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 94151
<223> deletion of TTA in reference genbank : L78132

<221> misc_feature
<222> 94154
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 94241
<223> insertion of G in reference genbank : L78132

<221> misc_feature
<222> 94430
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 94771
<223> insertion of A in reference genbank : L78132

<221> misc_feature
<222> 94805
<223> insertion of T in reference genbank : L78132

<221> misc_feature
<222> 95121
<223> deletion of AG in reference genbank : L78132

<221> misc_feature
<222> 95126
<223> diverging nucleotide A in reference genbank : L78132

<221> misc_feature
<222> 95130
<223> deletion of G in reference genbank : L78132

<221> misc_feature
<222> 95134
<223> deletion of G in reference genbank : L78132

<221> misc_feature
<222> 95149
<223> deletion of A in reference genbank : L78132

<221> misc_feature
<222> 95155
<223> deletion of A in reference genbank : L78132

<221> misc_feature
<222> 95174
<223> deletion of AA in reference genbank : L78132

<221> misc_feature
<222> 95368
<223> deletion of A in reference genbank : L78132

<221> misc_feature
<222> 95411
<223> deletion of C in reference genbank : L78132

<221> misc_feature
<222> 95419
<223> deletion of C in reference genbank : L78132

<221> misc_feature
<222> 95431
<223> insertion of TG in reference genbank : L78132

<221> misc_feature
<222> 95435
<223> insertion of C in reference genbank : L78132

<221> misc_feature
<222> 95444
<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature
<222> 95445
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 95534
<223> insertion of A in reference genbank : L78132

<221> misc_feature
<222> 95678

<223> insertion of G in reference genbank : L78132

<221> primer_bind
<222> 67820..67850
<223> 5-169-208_A_AS complement

<221> primer_bind
<222> 67820..67848
<223> 5-169-208_A_S

<221> primer_bind
<222> 67820..67850
<223> 5-169-208_G_AS complement

<221> primer_bind
<222> 67820..67848
<223> 5-169-208_G_S

<221> primer_bind
<222> 67941..67969
<223> 5-169-331_C_AS complement

<221> primer_bind
<222> 67940..67969
<223> 5-169-331_C_S

<221> primer_bind
<222> 67941..67969
<223> 5-169-331_T_AS complement

<221> primer_bind
<222> 67940..67969
<223> 5-169-331_T_S

<221> primer_bind
<222> 67709..67738
<223> 5-169-97_C_AS complement

<221> primer_bind
<222> 67707..67737
<223> 5-169-97_C_S

<221> primer_bind
<222> 67709..67738
<223> 5-169-97_G_AS complement

<221> primer_bind
<222> 67707..67737
<223> 5-169-97_G_S

<221> primer_bind
<222> 68199..68228
<223> 5-170-238_A_AS complement

<221> primer_bind

<222> 68198..68227
<223> 5-170-238_A_S

<221> primer_bind
<222> 68199..68228
<223> 5-170-238_G_AS complement

<221> primer_bind
<222> 68198..68227
<223> 5-170-238_G_S

<221> primer_bind
<222> 68249..68277
<223> 5-170-288_A_AS complement

<221> primer_bind
<222> 68247..68277
<223> 5-170-288_A_S

<221> primer_bind
<222> 68249..68277
<223> 5-170-288_C_AS complement

<221> primer_bind
<222> 68247..68277
<223> 5-170-288_C_S

<221> primer_bind
<222> 68463..68492
<223> 5-171-156_G_AS complement

<221> primer_bind
<222> 68463..68491
<223> 5-171-156_G_S

<221> primer_bind
<222> 68463..68492
<223> 5-171-156_T_AS complement

<221> primer_bind
<222> 68463..68491
<223> 5-171-156_T_S

<221> primer_bind
<222> 68511..68539
<223> 5-171-204_C_AS complement

<221> primer_bind
<222> 68511..68539
<223> 5-171-204_C_S

<221> primer_bind
<222> 68511..68539
<223> 5-171-204_T_AS complement

<221> primer_bind
<222> 68511..68539
<223> 5-171-204_T_S

<221> primer_bind
<222> 68580..68608
<223> 5-171-273_A_AS complement

<221> primer_bind
<222> 68580..68608
<223> 5-171-273_A_S

<221> primer_bind
<222> 68580..68608
<223> 5-171-273_G_AS complement

<221> primer_bind
<222> 68580..68608
<223> 5-171-273_G_S

<221> primer_bind
<222> 68596..68626
<223> 5-171-289_C_AS complement

<221> primer_bind
<222> 68596..68624
<223> 5-171-289_C_S

<221> primer_bind
<222> 68596..68626
<223> 5-171-289_T_AS complement

<221> primer_bind
<222> 68596..68624
<223> 5-171-289_T_S

<221> primer_bind
<222> 68361..68389
<223> 5-171-54_C_AS complement

<221> primer_bind
<222> 68360..68389
<223> 5-171-54_C_S

<221> primer_bind
<222> 68361..68389
<223> 5-171-54_G_AS complement

<221> primer_bind
<222> 68360..68389
<223> 5-171-54_G_S

<221> primer_bind
<222> 66953..66983
<223> 99-1572-315_C_AS complement

<221> primer_bind
<222> 66951..66981
<223> 99-1572-315_C_S

<221> primer_bind
<222> 66953..66983
<223> 99-1572-315_T_AS complement

<221> primer_bind
<222> 66951..66981
<223> 99-1572-315_T_S

<221> primer_bind
<222> 66973..67002
<223> 99-1572-335_A_AS complement

<221> primer_bind
<222> 66973..67001
<223> 99-1572-335_A_S

<221> primer_bind
<222> 66973..67002
<223> 99-1572-335_G_AS complement

<221> primer_bind
<222> 66973..67001
<223> 99-1572-335_G_S

<221> primer_bind
<222> 67078..67106
<223> 99-1572-440_C_AS complement

<221> primer_bind
<222> 67078..67106
<223> 99-1572-440_C_S

<221> primer_bind
<222> 67078..67106
<223> 99-1572-440_T_AS complement

<221> primer_bind
<222> 67078..67106
<223> 99-1572-440_T_S

<221> primer_bind
<222> 67115..67144
<223> 99-1572-477_A_AS complement

<221> primer_bind
<222> 67113..67143
<223> 99-1572-477_A_S

<221> primer_bind
<222> 67115..67144

<223> 99-1572-477_T_AS complement

<221> primer_bind

<222> 67113..67143

<223> 99-1572-477_T_S

<221> primer_bind

<222> 67215..67247

<223> 99-1572-578_C_AS complement

<221> primer_bind

<222> 67212..67243

<223> 99-1572-578_C_S

<221> primer_bind

<222> 67215..67247

<223> 99-1572-578_T_AS complement

<221> primer_bind

<222> 67212..67243

<223> 99-1572-578_T_S

<221> misc_feature

<222> 8187,14867,14970,29204,29487,34266

<223> n=a, g, c or t

<400> 1

ttggccttggc	agggcaacca	gctcaccaga	ctctctgcag	acccgaagtc	attacataca	60
gtatgataac	aggggaatgga	cccgaaccagc	atcttgctgga	gatgatatct	ggtgtcagcc	120
cgacaggccc	ctacctgctt	ctcttgatat	gcaggaatcc	cttcaagctc	caacaagatc	180
tgtttaatag	actggagagt	ccttttagttc	cttcctctaa	gggaaaatca	gatcgttctg	240
gtttgcttgg	taactcctta	cttcacccct	gatgggaagt	ttatagaatg	aggaaccagg	300
gctattacat	gaaactataa	aactgcctag	agcacatact	tggtattttt	aacattgttg	360
agagggactc	acttaattca	gccttgccagc	tattgcattc	ctgtccaaac	caacggcagg	420
ttctcaaaaac	aagcgggtgaa	aggggttcctg	ttgcagagct	gtctggacat	ttaaagaagg	480
gagaggaaaat	ctcaaggggt	cggttgcact	ggaatagaaa	tcgcctgttc	tttttttttg	540
agacggagtc	tcgctctgtc	acccaggctg	gagagcagtt	gcgcgatctt	tgctcactgc	600
aacctctgcc	tcccgggttc	acgccattct	cctgcctcag	cctcctgaat	agctgggact	660
acaggcgccc	gccaccacgt	ctggctcatt	ttttgtattt	ttagtagaga	tggagtttca	720
ccatttttagc	caggatggtc	tcgatctgct	gacctgttaa	tccaccgcgc	tcggcctccc	780
aaagtacagg	gattataggc	gtgagccacc	gcgcccaggt	gcctgttcct	tttttaagag	840
tctcactctg	tcgcccaggc	tggcgtgcag	tggcgcgac	tctgcttact	gcagtctccg	900
tctcctgagt	tcaaatacaag	cgagaaatca	cttggttctct	tctgtgaacg	gaagcatcgc	960
agatctctct	tggcctcaca	ctcctccatc	tccctgattc	ctctgttctt	catttaccta	1020
ccttcccagc	agtctgcaga	gctggccgct	cactcacctc	tagtaagggg	atggagggtc	1080
ctgtgttggga	ataactcact	gaccgctaga	aagttaaaaa	taaatgggta	atgccaggag	1140
aacttggctg	gtgccttaaa	agccatagaa	cttctctttc	catctgtaga	taactgtaga	1200
caattttgtc	caaaacagat	aatgatctga	ttctacctcc	cattgggtatt	tcccttcctc	1260
ggcctgtgac	atctcacttt	ctctagactg	aactttatcc	cagactgtga	ccttgccatg	1320
accttcctcc	tgcgtgtgcc	tctgccacca	caggaatggc	cacgcctcag	atcatgtcac	1380
cgctggggaac	aaaccctcta	cctgcgactc	tgaagtcccc	tctctgacct	tcttttcttt	1440
cttccccctc	ccctccccct	cactccctct	gcacctgtgt	ttcgctgtca	cgctcccaac	1500
tcataccctgt	agagctgggtg	aagagatgct	gatgtagtct	ttgaccttga	accccagccc	1560
tgcagccgtc	ctgtggcctc	actgaccacg	cgatcatgcc	tgggtcaagca	ttttggtgat	1620
gctcttggtg	attttcaatg	ggacctgcct	tgccaagccc	tgggcttagg	tgaaccagga	1680

ccacctgcat	tctatgtttt	tgattgctgg	aaaaaatca	tgaaatgtca	actgttgttc	1740
tcatttttcc	cactgccagt	tcctgctacc	caacctccgc	cctcatttca	aggccttgag	1800
tacttttttt	ctatagtga	gtctcccaaa	aatgatattt	ttttaaaaaa	gaaaagccat	1860
agtactctga	tttgatgtgg	tctgttaata	cctatgggct	ttgacttggt	tctgctttta	1920
gacctagaca	aaataaaata	tctgtggtaa	aacatattca	agtttaccgg	gcacgggggc	1980
tcacgcctgt	aatcccagca	ctttgggagg	ctggggcagg	cagatcactt	gagcccagga	2040
gtttgagacc	agcctgggca	acagggtgaa	acaacatctc	tacaaaaata	caaaaaatac	2100
ctgggcattg	tggtgcatgc	ctgtagtcgc	agctactcgg	gagactgagg	tgaggaggatg	2160
gcttgagctc	tggaggcgga	ggcatagtg	agccaagatc	gtgccactga	actccagcct	2220
gggcaacaga	ggcagattct	ttctctctaa	aaaacataaa	ataaaaaaag	gccaggcgca	2280
gtggctcaca	cctgtaatcc	cagcactttg	ggaggctgag	gggggctggac	gaagaggtca	2340
ggagatagag	accatcctgg	ccaacatggg	gaaacctgc	ctctactaaa	aatacaaaaa	2400
ttagccgggt	gtagtgggtc	atgcctgtaa	tctcaactac	tcaggaggct	gaggcaggaa	2460
aatcgcttga	accagggagg	cggaggctgc	agtgaagcaa	gatcgacca	ctgactcca	2520
gcctgggtga	cagagcaaga	ctctgtcccc	caccaaaaaa	aataaataaa	taaatacaggc	2580
caaagggcaa	aaatgcttgc	tttttagcac	ttagtagtta	tttccccaag	aagagcggga	2640
gagaagttta	ttaataatga	aaactggacag	ttctttatca	gctctaattg	tttgactcaa	2700
tggcttctct	tctcattacc	atgcagtgc	ctgctggctg	caatgccttt	gaacttcaca	2760
agaaggttag	aatttcactg	agacattcgg	atgggtgtgg	tgtcagggtg	cagctctcac	2820
acatagttga	gagtgtaaat	tgatacaact	ttatggaaaa	ttaattggga	gtaccatttc	2880
acactcctgt	ctagcaatct	cactttaagg	acttgatcct	acagaactca	ttacatgggtg	2940
caaggttcac	agtgtggcat	tcaaaataga	gaagagctgc	gggtaactcc	catgcccggt	3000
ggcaggaact	ggttgaataa	attatgggtc	atcagtgcgt	tggggtatca	ttaaaccatt	3060
aaaaagaaga	gagagtcctg	gccttaaaaa	aaacttatct	gatgtattgt	taaacagata	3120
aagcaagttg	tagatcaatg	tgatttgggg	ctaaaaaaat	atttctatat	aggtgtgaac	3180
atggccatga	ctaaggaatc	aggaaggaag	tacctagatt	gtaaccagta	acatgtcggg	3240
agtgagatgg	gattgagaga	cgtaataata	gattgagaga	aaaagatttt	cccatctctt	3300
tttgattttt	taagaaaaca	gcatgatttt	cagtaatttt	tactttttgt	tgtttttggt	3360
attttttctt	tttctttttt	tttttttttt	ttttgagacg	gagtttctact	cttgttgccc	3420
aggctggaat	gcgatggccc	agtcccagct	cactgcaacc	ttcacttccc	aggttcaaga	3480
gattctcctg	tctcagcctc	ccgagtgcgt	gggattacag	gcccctgcca	ttacgcccag	3540
ctactttttg	tatttttagt	agagatgggt	ttcaccgtgt	tggttaggct	ggtttgaact	3600
cctgagctca	ggcgatctgc	ctacttcagc	ctcccaaaat	gctgggatta	cagccgtgag	3660
ccaccgcccc	cagccggtat	tttttcaaat	caaagaaaaa	ataatagagt	aaatcatcca	3720
aaacttttaga	tggtattttg	actcagtaaa	cttttcatat	atgacagatg	aagccaaatg	3780
gtctttctgt	gcagtcagct	agcacacaat	tgtgcaccgc	aggaaaatta	gagactgaac	3840
cgggggtgtct	gtggatgcat	ttcctcagca	ttcagccttc	cttttgcccg	tgttctagca	3900
ttacttctgt	cctacagcct	gggatttggt	aatgaaatag	acaggtgcaa	aaactccctg	3960
cctgtctgta	atatccatag	ccccgtgctc	tacttgtatt	tgcagtaca	aaccataatc	4020
tcctgtaaaa	tactctgtga	tatttctgaa	taataataaa	ctctacatcc	tacacaaagg	4080
caaaaccctt	gtatctttca	tctttgaaac	catagcaaag	gtatgaaatt	acacctgagc	4140
atgcctggcc	tcaaagtcct	ggaacgggta	tgtctttgac	cctcacttca	actcaactcc	4200
agaagaagca	ggtcttcctt	gtaattggat	agaaaactca	ttgtagagaa	gaaagatcta	4260
caggctcaaga	aaccacagag	tttgctgtaa	tccgagcaaa	gcactgtagc	atthattttta	4320
tattttcact	cttcttattt	agctcttttt	tttttttttt	ttttgagatg	gagtttcatt	4380
ctgtgcaccc	agcctggagc	aatgggtgcca	tctcggtcca	ctgcaacctc	tgccctccag	4440
gttcaagtga	ttctcctgcc	tcagcctcct	gagtagctgg	ggttacaggc	tcccaccgcc	4500
acaccagcc	aattttttgt	attttttagta	gagacggggt	ttcaccatgt	tagccagact	4560
ggtctcaaac	tcctggcctt	aggtgatcca	cccgctcag	catcccaaag	tgctgggatt	4620
acaggcgcat	cggccttagc	tcttttatcc	ttaatgaaat	gctcctcatt	ccctgaggtc	4680
tcacttgaac	tcttgcccac	ctctggggtt	ccttctctct	ctgtctgtgc	tttgtaaacac	4740
gtggttcctt	atgatgtcaa	tatttatgca	tatgtcttca	ttccattact	ggattataat	4800
cttgaagcaa	cagatttttg	tctctatatc	ccagagccta	gaatggattc	ttacactggg	4860
cagtaagtac	ttataaaatg	tatcccaaat	caaataaata	catttcttct	ttttcttttc	4920
tttttttttt	ttttttgaga	cagggttcca	ctctgtcacc	caggctggag	tgtaatgaca	4980

tgatctcagc	ttactacagc	ctcaatctcc	tgggcttaag	caatcctccc	acctcagcct	5040
cccacatagc	taggactaca	ggcgctcacc	acaacacctc	atTTTTgtat	atTTTTgtat	5100
gagattgggg	gatctcacta	cgttgccccg	gctggTTTTg	aacttctggg	ctcagacaat	5160
ccaccacact	tggcctccca	aactgTTgag	attacaggaa	tgagccacca	ttccctggcc	5220
aaatacattt	ctaaaagcca	gtttctggag	tatactgtca	aataatagat	atatgtccac	5280
atTTTTtatac	ggacttatat	tgtaaagaaa	agtaaaaata	agtgtgaagt	tattacagta	5340
atagtaatta	TTTTgcagaa	aaagaactga	gtttaaacag	gctTTTTtaga	aaaacccaac	5400
aggagattca	cagtctggta	ctaacgttta	gacatggatc	atcagtaaat	gtgttccaaa	5460
gagttacaca	gataccagct	ttgtcttggg	aattcttacc	cctgaaaatt	gattgactat	5520
cactgactgt	gtgacatgag	aaagTTTTgt	ggggTTTTtt	TTTTgtattt	TTTTgagacg	5580
tatcttgctc	gtcacccaa	gctggagtc	actggcgca	tcttggtc	ctacaacctc	5640
tgccgcctgg	ttcaagcgat	tctcctgcct	cagcctccag	aatagctgcg	attacaggca	5700
cctgccacca	tgccgggcta	atTTTTgtat	TTTTagtaaa	gacggggtt	catcgtgttg	5760
gccaggatgg	tcttgaactc	ctgacctcag	gtgatctgcc	cacctcagcc	tcccaaagtg	5820
ctgggattac	aggcatgagc	caccgtgccc	agcctgaaaa	agTTTTgaac	ggctctaaac	5880
catatgtctg	gaatcctatt	accatcacac	acttaggc	ttaaaatcat	atTTTcaagg	5940
ccaggtagctg	aaatatTTTt	tgcaagcaga	gagatcaaac	TTtagcattg	ttattcttgt	6000
agtagTTTca	tagTTtgagg	tcttagattt	aagtcttcca	ttgattttga	tttgattttt	6060
gtatatggag	ataggggtct	agtttcattc	TTTTgcatat	ggatatccag	TTTTcccagc	6120
accatttatt	gaagagactg	tctTTTTcac	cagtgtatgc	tcttggcacc	ttcgtcaaaa	6180
atgagttccc	tgtagggtgtg	tgggtttgct	tctggttctc	tattctgtcc	cattgggtcta	6240
agtgtttggg	tttatgtctac	taccatgctg	gttggtatag	ctctgcagta	taacttgaaa	6300
gcaggtaatg	tgattccaaa	gaagctagtt	aagtaattga	gctaaactgg	aacctcaggt	6360
gtagaagtca	taagcgtggg	gagcgtttct	tctcaggttc	tctgcctata	atTTtagttg	6420
ccacaccaga	tgaacagtga	caacttggtc	ttggtgttcg	tggtgggttc	caaccaaact	6480
ttggtcataa	caggtgaacc	agcctggggc	atgctttccc	attcggttat	cctccccata	6540
gtttgcaaag	tagcaaagat	gaactcttca	tgagttggct	aagcatagac	atTTcaagac	6600
caaactaaac	gtcctgaaga	gcatgtttca	cagaaaacta	gcccctaagg	gaccagtggg	6660
ggctgtcaga	gaacaagggt	tcaacgtact	gagttttaa	gatctaattg	gcttttaata	6720
acaattcatg	aaccaggcac	catagtctac	aaaatagaca	gggtttctgc	tgggcactgc	6780
aggacagtgt	gtttttggaa	ggtggcttga	gcaggaacaa	ggaaaaagca	ccgtgccaa	6840
agtggattgg	ttaacatcag	gggacttcgg	gtgactttcc	ttctatgggt	taaagcaaag	6900
ggcctttccc	tagcatgtca	gctcaggttg	actgggcccc	tttggtttgg	ttgctgtgaa	6960
tctcctagtt	ttttttggtt	tgggtttggt	tgggtctttt	ggggaaaacg	ggccagtttg	7020
gagattcagc	tattatttct	ctctcctgat	atcagaagat	cagatcttat	gagtacacag	7080
ctgaggtttt	gggttggtga	tgtggaaccc	tggtgtgagt	gactccattt	tgggttggtc	7140
tattgggggtc	tcgggtgcagg	agctcagtc	aaatcagtg	cctctcctca	TTTTtatttg	7200
acttctccat	caatctatcc	gtgtctcccg	tcacatcagt	ccattccccc	gtgggctgca	7260
cattcagctc	ggagctgaga	gcttttccca	gggtgtgccc	tgggggttct	gctgcttgca	7320
gcctgatatt	aaatctcagg	tgtaaatctt	cagaggcaac	tgttccttag	taccagagc	7380
tttcagctcc	ctgagcagaa	atgggacttg	actgtcagtt	tataaactaa	ccaaggtgtg	7440
aaattcatgc	aacttagccg	actttctgtt	caaagaattc	ttggcagcag	ttaatacatt	7500
ttgcccaa	ataagataat	tcccttgtag	tcacaatgag	aaagtTTTtac	aaaatggggg	7560
TTTTctttag	tttacttgaa	tataaaaacat	aggtgttcca	ctctgcagta	ccttaacagt	7620
tcttaaggag	atgtttgaaa	caacccatgt	ccaggcctca	cacctcgcca	attaaataaa	7680
tgagaagttc	ttcccagcca	gtgttaagaa	aaattaacat	caagtTTTtag	gaaggtagac	7740
agattatgca	aatgcatacc	tatatgattt	aagttattac	attaattttac	acacacatat	7800
ttaaaatcat	agattaatct	aatttagaga	tgctgcattt	tttccatctc	tcctgtttca	7860
taaatgttat	tcacacggca	tttctctgct	atcctcgga	tagtgtttgt	atcgtgtcac	7920
tctggcacgg	ggctctacag	aacatgtcga	gcgtgttgcc	ttccctactg	cccacactgt	7980
ttgagagaac	acatttttaa	cattttttta	ttgtggtaaa	atacacataa	cataaaagtt	8040
acgatttttaa	ccttttttaa	ctctgtcatc	caggctggag	tgcaagtggcg	agatcttggt	8100
tcactgcaac	ctccgcctcc	taggtccaag	tgattctcct	gcctcagcct	tccgagttagc	8160
tgggattaca	ggtgcacacc	accacgnccg	gctaattttg	tatttttagt	agatgcgggg	8220
tttcacatg	ttagccaggt	tgggtctcgaa	ctcccgacct	caggtgatca	gcccgcctcg	8280

cctccccagt	gctgggatta	caggcgtgcg	ccactgtgcc	gggcccattt	taaccacttt	8340
taagtgcaca	gttcagtggc	attaagtata	ttcgcggtgt	tgtgcgaccg	tcaccaccat	8400
tcacctccag	aactttctctg	tcttcccaaa	ctgaaattct	gtaccatttg	aacggtaact	8460
ccccattccc	cattttctgct	tcctaggccc	tgacatggag	gctgggccaa	cggatatctc	8520
acctcccttc	aggcttctcc	agatttgccc	ccgtttttct	ccctctttgt	cccatctcca	8580
aagaaatggg	gtcttttcat	catcaaggtc	catcccttgc	tccttgaata	cactccaggc	8640
ccagtggaac	aggcatcctg	tggggtgcac	ggacagggtg	cctggggaac	accaggggca	8700
cagaaccag	accgggggtt	tggagaaggt	gtcctagcag	aagtgatgtc	taagctgagg	8760
ccctacagat	aagagaaagt	aagcagatga	aagggtctgg	gagggtggca	tttcaggcct	8820
acacaaccac	acgcgtgttc	ttcagccatc	tccatggcct	cactgcccac	ctggtatcag	8880
ccggccacca	ccgggctaga	acggctttca	aaatcgctgc	tcgtctactc	ctcaccaaat	8940
cttgtcttca	cttggtgtctc	aagcccatca	cctttctgca	agtattattt	tttttttttt	9000
ggagatggag	tctcgctctg	tcaccggggc	tggagtgcag	tggttcaatg	atagctcact	9060
gcaaccttga	actcctgggc	tcaagatcct	cttgccacag	cctcccaaag	tgctgagatt	9120
acaggcacaa	gccaccatgc	gtggctcttg	ctgcaacttt	tttttttttt	tttttttttt	9180
ttttgagaca	gaatctcgct	ctgtcgctca	ggctggagtg	cagtgggtgtg	atctcggctc	9240
aatgaacact	cgccctcccg	gggtcagggt	attctcctgc	ctcaccctcc	tgagtgccta	9300
ggaacacagg	cgctcaccac	cacatccagc	taatttttgt	gttttttagta	gagccggggg	9360
tttgccatgt	tggccaggct	tctctcaaac	tcttggaact	cgggcgattg	gccgcctcgc	9420
gcctcccaaa	atgctggaat	tacaggcatg	agccaccgtg	cctggccatt	tgctgcaact	9480
tttgacactg	ctccccctgc	ttttcttccc	ctctctgacc	tcctttctct	gctgtccttt	9540
cgttctcttc	tctgccactg	aagtgtcctt	ctcaggctct	tctcaagggt	gtgaccttac	9600
agctgtctct	tcacttccag	tcattttctt	cataatcact	ttgacatcct	tattttctac	9660
tcctgccttg	gcctctccca	gggaccagga	ccatgcattc	agctcctggg	ggcatctcaa	9720
gcttggtgtg	tgtgagcctg	cccttggtgt	cttctccgtc	acctcttcac	agcttgctct	9780
gcatttcacc	tcctttcctg	ttttccccag	tgatcgcatt	tctacagcgg	ctctcacttc	9840
atccccctct	ctcctagagg	agtgatgcgg	agtctcatta	atccttgctt	atgtcattct	9900
tcccccttct	ctgtccatca	cctccacatg	tctgttctcc	ccatgcgtcc	tacactgtag	9960
ccagggtggg	atttcctgtg	ctggctcttag	acacccccctg	aggataccct	gcttcaggcg	10020
agagccctca	gtgactccct	gttgctccgga	atgacgtcca	gctccttgga	cagtccccag	10080
tgtattcacc	tgtctcatct	ccttcttttt	gttttggttg	tttttcttaa	cttccagccc	10140
gattttctgaa	tcacttccct	cttgcccttc	ccattgcctt	tgtttaagac	taaagtctcc	10200
ttcctcccaa	gtccccactg	cccagatttc	agcagggtcc	atctcaaaca	tgtctgtctc	10260
caagataaaa	cctctcagtt	ttttcataag	aagacacctg	tcctctctga	cttcatctgt	10320
acctctctct	tggaaagtcac	tatcttgtgc	cttgcatttt	cgttggtttaa	gtgggtctcca	10380
tttcccagca	tatcttgagg	tcaagggttc	aggtcatttt	atctttgtct	atgcattgca	10440
atatgggggt	ttttacatat	tagctgtctca	ataaatcggt	gttgaataaa	ggcatgtgta	10500
tgctttcatt	aagactatga	aaccacaaaa	aatcagtggt	tttcttattt	caccttaga	10560
aaacaaaccc	acaacatagc	acaacctgat	attcagagct	aagaacaaag	gtcatgcata	10620
ttaatctaaa	ttctatcttt	atcaactttc	acaagtaatt	cgtatttccc	tgtctgcata	10680
acggggatga	ttctggccag	acattgacct	tggtaaaatt	tcctccagat	tatgagaaat	10740
caagtcaaat	atgccaaagta	acatagtttc	tacttagagt	cagggttcatt	ttttagcagg	10800
aacctcaaat	accacaaaat	ctgtcaagtt	ctaacatttg	tatctctcga	cagtacctga	10860
agttcctggt	tctgtttcct	cagcccagggt	ttccaattca	gtgagcagaa	cgggtgactgt	10920
gttggtaaaa	gagcccacat	acctgcccga	tctgagcaga	gtggtgcaga	tgcaaacagg	10980
cgggtctcca	catgacctgc	ggagtaatga	ctagtgtccc	taaagtcatt	gggtctcttg	11040
ggttagcctt	gaaaaaagct	aaagggttgca	tagagagaga	tttctatccg	ttcagagact	11100
cactataatt	ctctctttct	gtctctgtcc	ttcatctggt	tctctctttc	tctctcactc	11160
tctctctctg	atacacacac	acacacacac	acacacacac	actcacactc	acacactcct	11220
gagtaaggga	aatgtgagaa	gaaggtaaaa	cttcaactaa	atgaaaagaa	attgtatgaa	11280
ttatggtaag	cagggtgggt	tttagttcca	gtaaagatag	aaatatattag	attactatag	11340
agaaaagtct	agctggtaac	acatgggaat	gtgcctgtgt	gaaaacaaaa	caaaacaaaa	11400
aatctagggt	tgtgggttag	tgaaggtagt	tacactgtgt	agacatggcg	atgggtgagc	11460
ttgggatgag	gagaaaaggct	tctctgagaa	gattaagaga	gaaagattgt	ttaaaaatgt	11520
ttaaacaatgc	tgggcactgt	ggctcacacc	tgtaatccca	acactttggg	aggccaagggt	11580

gggcgatca	tgaggtcagg	agttcgagac	catcccggcc	aacatggtga	aaccctgtct	11640
ctgctaaaa	tacaaaaatt	agccaggcgt	ggtggcgggt	ggctgtagtc	ccagctactt	11700
gggaggctga	ggcaggagaa	tggcgtgaac	ccaggaggcg	gagatgcagt	gagccgagat	11760
tgtgccactg	cactccagcc	tgggcgacag	agcaagactc	cgtctcaaaa	aaaacaaaaa	11820
aacaaaaaaa	aaacacacat	tgacaccagg	acggagttag	cacatcttta	caggtgagac	11880
tctcagaccc	gagaaaatag	aggcacttta	gagctgagct	aatcccacag	ccacctcaac	11940
acacaaacgg	ggaatctgag	acccgcattg	gcaccgtgcc	tgaggttcta	aagcccaggg	12000
cttctgactc	gcctcttggtg	cttcttctagt	actgtgggtg	ggggtggggg	gggggggtgac	12060
attagctgat	gagaaagatt	ttggtttttag	aaagatggag	ttaacataaa	cgaagggtga	12120
ctgggactgg	tctcctctgc	tgacttctatg	ggaagcacac	acacgcacac	acacacacac	12180
acacacacac	acacacacac	atacacacac	ctgtccaaga	tcagaaaaaa	tccctcacat	12240
ccctgtagca	tgatcctgat	tgtaaaaatg	gagccctaata	cagaagggca	gaagcatgat	12300
tgccctctcaa	gagatttgga	cgccactttt	tcatagttgg	tttttagctgc	tttgcgatat	12360
atactgaaat	aaatagaaaa	gggaaagaat	tgtaacctgg	attgacagac	aacaagccct	12420
gacagacaaa	aagcagataa	gaaataaaat	aaggaagata	accataatg	taaaaataaa	12480
atagcacatt	gttgcatgca	ttgataccct	tttttttttt	tctttgagat	cttgctctgt	12540
ctttcaggcc	gaagtcaagt	gtctcaatca	tagctcactg	cagcctccag	cttctgggct	12600
caagcaatct	tcccatctca	gccacccaag	tagctggggc	tgagggcacg	aactatgggtg	12660
cccagctgat	aattttttaaa	aatagggaca	ttagtgcatt	tagcaaattt	gagtgtctgc	12720
tgtgtatcaa	gcactgttct	gggcactggg	acagcacagg	gagcaaataa	acaaaagccc	12780
ctgcgctcaa	ggtgctcgta	ttctagaggg	agatgctgag	ttcacctccc	attaaaatgc	12840
cattctcaag	atccagtcct	tccacccacc	ccagcccca	gggttttggg	ggaaatttaa	12900
ctaagtggga	agattgataa	tatctccatt	cacatttgga	tatgatttta	atgaagggtg	12960
ctttttgggt	tttagggaga	agaaaatggc	tttccagata	gcactggaga	tcctcttcca	13020
ggtaaatgat	tgattctaaa	gctatctggg	ctaatagcta	gtgtggctga	ataaaagata	13080
atgtgaggcc	agggtcggtg	actcatgcct	gtaattccag	cactttggga	ggccaagggtg	13140
ggcgatcac	ctgaggtcag	gagttcaaga	ccagcctggc	caacatggta	aaaccccgtc	13200
tctacaaaa	atacaaaaat	tagctgggtg	tggtgggcgc	ctgtaatccc	agctactcgg	13260
aggctgaggc	aggagaatcg	cttgaacccg	ggaggcggag	ggtgcagtga	gccaagatca	13320
caccactgca	ctccagcctg	gacaacagag	cgaaactcca	tctcaaaaaa	ttaaatttaa	13380
taaaataaat	aatttgagac	tatgtttatc	attaacttta	aaatctgtac	tcgagaatag	13440
agcaactttc	tacctgcggt	gcactgcagg	gaaagccgta	tcttacaaga	cttcacaaaa	13500
gccttcaaa	agtattttct	ctgcactaac	cttcccttgc	atgtgagggg	cacggcaggg	13560
ttctgaatgg	ggcaggttta	ggatcaggcc	agtcgggact	gagtggtattc	ttcttccctc	13620
tgagttctaa	gagccatagc	attgggtggag	aacatgctgt	ttgttgcttg	gtggaaggga	13680
ccagaagcca	gctgggtcat	ctctctgttt	gtgccttggc	cacttaggta	gccaaggag	13740
ccctcctgac	attaggtcag	gtgttagtcc	ctctcctttt	ctgcttttag	tgtgtttaag	13800
caaataaaca	ttaaagttca	tttctccccg	ctcccccttt	ttaatcataa	gacagacatg	13860
tttgcaatgt	ttaaattttc	cattaatcag	aagggatagg	gagtgaggga	gtaagcatta	13920
aaataagcta	gcaaattggc	aggtgtgggtg	gctcacacct	gtaatcccag	gactttggga	13980
ggccaagggtg	ggcagatcac	ttgaggccag	gagttcaaga	ccagcatggc	caacatggca	14040
aaactccatc	tctactaaaa	atacaaaaat	tagccaggcg	tggtgatggg	cacctataat	14100
ctgagctact	cgggaggctg	aggcagagaa	ttgcttgaac	ccgggaggga	aagattgcag	14160
tgagctgaga	ctgcaccact	gcattccagc	ctgggtgaca	gagcaagact	ccatctcaaa	14220
aaaatgctag	caaaataata	ataataataa	taataaaaaca	tacctacca	acatttttcta	14280
catcttgtaa	agcatacatt	gactgactga	agtcaccaga	gttttggttc	tttcttttctt	14340
aagcagggtg	gggaacccgt	agagccctca	ggggcagcta	tcacagccc	aggtaaccaa	14400
gctgaaaaac	cagaagggtc	agtgcgtact	caactttttc	cccttagaaa	cacgatatta	14460
gaaaatacac	caataccaac	atgtgagcaa	cagttctctc	tggaagggtc	agttctgggt	14520
gatttttttt	tcattccata	gatttttttt	ttcttgagac	ggagtttctgc	actcttggtg	14580
cctaggctgg	agtgaatgg	tgcgccacca	cgcccggtca	atttttgat	ttttagtaga	14640
gacgggggtt	cacctggtg	gccaggctgg	tctcgaaactc	ctgacctcag	gtgatccacc	14700
tgcttcggcc	tcctaaagtg	ctgggatgac	aggtgtctca	ctatgttgcc	taagcttttc	14760
tcgaaccctc	gagctcaagc	ctcctcccac	ctcagccatc	caaagtgtg	ggattacagg	14820
catgagccac	cacgcctggt	gagtttttat	tttctttcca	ctatccttat	attttcaaaa	14880

tttctaacat	gagctggtat	cagaactgcc	cctccgcatt	taatctgtgt	atacaaatgt	14940
atatataaca	aatgatcaca	tggttggtaan	gtataccttg	ctgcatgggtg	aaataaccaa	15000
ggaaacttct	aaaaggttaa	ctgtggttgg	cctgggtaat	gggagcatta	atTTTTtcca	15060
tatgctcatc	tgaattttca	gatttgctat	gacaagcaca	tatttatTTT	ctaatttttaa	15120
aaatctatat	ttaaactctt	taaagactaa	caccctacac	actaatgtgg	cacgttagct	15180
aaaataaaaa	taaatacaga	aatttgTTta	gaaatatttg	taaacccttc	aaggactctt	15240
ctgaatgata	gtcattatta	attagcaggt	taattttta	caggcttctg	gtcatcttca	15300
aacatttttt	acttggtgtca	aaatgaacca	ccagagtgtg	ggTTTTttt	ttattttttt	15360
tgTTTTttt	agacagagtt	tcactcttgt	tgcccaggct	ggagtgcaat	ggcgagatct	15420
cggtcactg	caacctctgc	ctcctgggtt	caagcagctc	tcctgcctca	gcctcctcct	15480
gagtagctgg	gattacaggc	gcccaccacc	acaccagctc	aatttttTga	TTTTtagtag	15540
agatgggttt	tgccatgttg	gccagggttg	tcttgaactc	ctcacctcag	acgatccacc	15600
cacctcagcc	tcccaaagtg	ctgggactac	agatgcacac	caccacacc	ggTTaatttt	15660
tgtattttta	gtaaggacgg	gggttcccc	tgTggccag	gctggTctca	aactcctgac	15720
ctcaagtgat	tcacctgcct	tggcctccca	aagtgtggc	attacaggcc	tccgcaccg	15780
caccagccc	aacctgggtc	ctttTgtatg	tgagagTTtg	cttgTTTTtt	tcacgtgctt	15840
tctctactcc	agTTTTtttc	tatgacaaaa	ttgaggccca	acatgattta	cttgccTgga	15900
tccacccaac	ctgtcagTTa	cttcccagtg	ctgctgcca	cttaatgtct	ccttaaaagg	15960
atgcttttaga	gaaaacgaaa	tcagtTgtt	tttccccTTt	ggTTaagaga	tcaaacgccc	16020
accaaagcc	ctTgggtcag	tttcttagta	gataaaaaata	attcttcgtc	actttctgaa	16080
agcggttaac	atataaccct	tatgatgaat	aatgtggTgt	gtgtgtgtgt	gcgcgccc	16140
aattccaatg	agttatcaaa	gccagaaact	tatatTTtaa	atatgtttat	ttcccaacca	16200
cactggaaac	cacacacaga	aaaaaaaaaa	agcatgatta	taccccttTa	ataaccgtta	16260
ctgcagaagg	atgtgactct	ccttcaacac	ttgttggtat	tttacagcct	ccaaatctga	16320
ccatgtataa	ccacctggga	tagagtTatt	ttatttcaga	accataatac	ttagctatct	16380
cggaagtTgc	caatataaaa	tgTttactct	ctaattggTtt	tgaactaact	caagacctgg	16440
ttatccccgg	gagcatcctt	acaaatgatc	tgagagctaa	cagtccctct	gcagcagTgg	16500
agggaaacac	tcccgTggca	atcactctcc	aaaagccaga	atgtgcaaga	taaaagggca	16560
ccttccctgc	agggaggcac	attaagtTcag	tctgtgatct	gctgccaca	tcctgactgg	16620
agccgtttct	acgcctaact	aatcatgacg	ttTgtgaatt	gtgaagcttg	ttgcaattca	16680
caattaactg	ttaattgacc	catattttat	aacccgccag	ccatgaactt	acaagttaga	16740
tacagacact	accagacatt	cactattttt	ttttacaatt	gttttaaatg	acattaatga	16800
gcatgcttga	ttcctgaact	cttctttaca	gtataatttt	aaaatatttg	agtgggatac	16860
gtggagagg	agggaggTgg	gggaagaaat	gccccatgga	aaaccactc	atcaggTtga	16920
gagtgtggag	aagccctgtg	tatctgagaa	ctcttaatca	tccacagaca	tggtatctct	16980
caaagagaag	tgggtgtaat	tccaaaatct	aattttTggca	ggcgctcctg	actaaatact	17040
taatctggag	atgtcttcaa	ggcaggcgga	ggTTTTcagt	cctggctgca	cattagaagt	17100
cccaggggag	cttTaaaaaa	ttcccacgtc	ctccctgcat	cccagactaa	TTaatcgTga	17160
tctccgaggg	tgggaccaca	catcagggtt	ttgtaaattt	ccctgggggt	ttggTggggT	17220
tgggggtTga	ggcgtctatc	ctatggccaa	ggTtgagaac	cactgctttt	Taaaagactg	17280
tttgctTgtt	tttgagatgg	ggTctcgtc	tgTcaccag	gctggagtgc	agtggcgcaa	17340
tctcagctca	ctgcaacctc	tgccctcctg	gctcaagcaa	ttctcctgaa	aaaggctgtt	17400
ggttattaat	gcttccccac	agctattctc	ttcattgttg	catgcttctt	acgtgtgcta	17460
ggatgggagc	ttTaaaggat	tacctattt	aatcctcaca	accaccttgt	gagagaggTg	17520
tcattatccc	tgTttggaga	gtgagacagg	ggcttagcaa	gctcagtaac	ctgtccaagt	17580
cacacatctg	catggggTta	gctgctgcta	aagctcatgc	cgTTaatctc	catggtacac	17640
ggtgtcctct	ccatagcaat	cttgcggtg	ccttgTtaac	acaaaaaaa	cttgcatcag	17700
ctggTttgac	aatttctaga	Taaagagctc	ttttcgggct	gctaagaagc	ctaatttttc	17760
atttgatttt	cttcttgaac	tgTgtcacac	tcctcattca	tttgatatat	tcatcaaata	17820
cttattgagc	acctgctgtg	TgcctggTgt	gcagcagtga	caccagacat	ccaaagtctt	17880
tttctcttta	gagcttattc	tatctgggag	agacagataa	Taaacacaaa	atcagTaa	17940
cattttatat	ggTggtaggt	gccttgagga	agatgagcca	ggTTaatggg	attaagcctg	18000
gtagggggag	ggTgccaatt	tagctcgga	agggtagcga	gacccaaaca	atgcaaaggga	18060
cccggcccgT	ggagatctaa	gacaggagga	tgccagggac	aggaagtTgc	tggggcaaag	18120
cccctgaggc	tggactgagc	tcagtgttct	aggacgggcg	tgggcagtga	ggagcagcag	18180

aggaggtgag	ctgggagata	gcctggggac	tctttcttct	gcctccttca	aaaaataaaa	18240
ctagccaggt	gtggtggctc	acacctgtaa	tcccaacaat	ttgggaagct	gatgtagggtg	18300
gattgcttga	gtccaggagt	tcgagaccag	cctgggcaac	atagtggagac	ccctcccccc	18360
atttctacca	aaaaatcaaa	aaatttagctg	ggcccgggtgg	cgtgcgcctg	tggtcccagc	18420
tactcaggag	gctgaggtgg	gagcattgtt	tgaaccggg	aggtggaggc	tgcagtgagg	18480
cgtgattgtg	ccactgtact	ctagcctggg	tgacagagtg	agactctgtc	tctaaataaa	18540
taagtaaadc	tagaacctaa	catcttggag	tgcagtggca	ccaccatggc	tactgcagc	18600
ctcaatctcc	tgagctaadc	gagcctcccc	ttcagcctcc	tgagttagctg	ggactatagg	18660
cgtgcaccac	catacctgaa	taatcaaaac	ctaacatctt	taaagaacat	tggcataaga	18720
cttggcaaaa	atggcatctt	gtccctcatc	tcatttagtc	caagcgatac	aggaaatgct	18780
gccacctcca	ttttatagat	gaggagtctg	acgttcctag	aggttcaatg	ccctgaaacg	18840
tcaagccttg	aggaagttgg	agcactggga	ttcgaagagc	accatccaat	acagaccag	18900
aatcaggatg	atttgggatt	atgcttgta	aggactcagg	gcagggtac	catacattag	18960
gcacaagaat	tttgatagt	ataattactg	tgttcattgt	cacttcatca	tgacagttac	19020
cgtgatgata	agaaacctgg	cccttcttca	cctgacaaag	gctttcttcg	tttgagccac	19080
tgctcaaacg	agactgacca	agaataaatc	ctcggggctt	tggcctttaa	aatagggaag	19140
catcataaat	gacttgatgt	ggtgtgtttc	attcttgctt	tgcaccagt	gaaaatatac	19200
aggtcaagca	tcaaaacatg	gcaaatgggg	accccaatta	ttagagaatc	taagttaatt	19260
tttatgtata	attaattatt	caacaaccct	ctcctctcca	aaccaataat	taatccatct	19320
tttgtatttt	aagaccaatt	ctgtagtatt	ttccatcaat	atctatttac	tgctagcaga	19380
tatcagctac	attctttctc	ctttaataga	agttccctct	ttaggtatta	agattcatta	19440
aacaacaata	acaaatctac	cttgccctccc	agggacaatg	cacagttctc	attcatttgt	19500
tcatttagca	gataattttt	gaatttccac	tgtacagcag	ccctgtgctt	gtggttggcc	19560
tgttatttga	gaagcatcaa	ataataatct	catttttttg	ctgggtgtga	tagctcacgc	19620
ctgtagtccc	agcactttgg	gaggctgagg	cgggtggatc	acttgaggat	gggcgttgga	19680
gaccagcctg	gctaacatgg	tgaaacctcg	tctctattaa	aaatacaaaa	attagccagg	19740
tgtggtggca	gacacctgta	atcccagcta	ctcgggagg	tgaggcagga	gaatcgcttg	19800
aacctgggag	gcagaggttg	cagtggagccg	agatcgcccc	attgcactcc	agcctgggca	19860
acaagagcga	gactccgtct	caaaaaacaa	aacaaaacaa	gacaaaaaaa	aaccaacaa	19920
ataaaataaa	taatccatt	tttctccatt	tttgagaaag	atttcttttg	tctgaagtct	19980
ttctctcccc	tctccgaggc	attaccagct	ttaaccttct	atgtataata	tatatgatag	20040
ttattttaaag	tatagcagga	caaaatgtat	ttgataggag	aaaaccttgt	ttgctctgtg	20100
ttaagtccctc	cagagagcta	attagagttt	gtgattctaa	aaggcaacta	tagattcact	20160
tatattagca	gttcatgtag	attccagtta	aggaaatggt	ttgtcacttg	tgttattgaa	20220
aacacacaca	gggcgagcac	tgtggcccat	gctggtaatc	ccagcgtttt	gggaggctga	20280
ggtgggcaga	tcacgggggtc	aggagtttga	gatcagcctg	gccaacatgg	tgaaaaccgc	20340
tctctactat	aaatacaaaa	aattagctgg	cagtgtggc	aggcgctct	aatctcagct	20400
actcgggagg	ctgaggtagg	agaatcgctt	gaaccagga	gtcggaggtt	gcagtgagtc	20460
gagatcgac	cattgcactc	cagcttgggc	aacaagggca	agactccgtc	tcaaaaaaaa	20520
agaaagaaaa	cacacacaca	aaaaaacctt	agtagatctt	tcggcatatt	attttttaaa	20580
ataaactgat	aatggttgat	atgattgttc	aaagaaataa	gagcttttca	taaactcagt	20640
ttaaagaaac	tttacaggcc	gggcgcggtg	gctcatgccc	gtaatcctag	cactttggga	20700
ggccaaggcg	ggtggatcac	ctgaggtcaa	gagttcgaga	ccagcctggc	caacatggta	20760
aaagcctgtc	tctattaaaa	aatacaaaaa	ttagccagg	gtgttggctg	gcgcctgtaa	20820
tctcagcaac	tcaggaggct	gaagcaggag	aatcgctgga	acctggtagg	cagaggttgc	20880
agtggagaaa	aatcgtgcca	ttgcaactca	gccccagctg	acaacagcga	gactccatct	20940
caaataaata	aataaataaa	taaataaata	aataaataaa	ggagctttac	agaaaccttc	21000
tgatgttttt	ttcttcttga	cgataacatt	gccaacactg	aatcttacaa	agataagaca	21060
agaaagggac	cttcagacac	cattacatgt	aattctggac	ttagtggttt	aaatccttat	21120
ttttctatga	cattaaaaaa	atgtatatatt	taggccaggc	acagggtca	cacctgtaac	21180
cccagcactt	cgggaggccg	aggcaggtgg	attgcttcag	cccaggaggt	caagagcagc	21240
ctggggaca	tagtgagacc	cctgtcccta	cagatttttt	ttttttgttt	gagatggagt	21300
tttgctcatg	ttgcctaggc	tggagtgacg	tggcacgac	tcggttcaact	gcaacctctg	21360
cctcctgggt	tcaagcaatt	ctcctgcctc	agcctcccaa	gtagctggga	ttacaggcat	21420
gtgccaccac	acccggctaa	ttttgtattt	ttggcagaga	ctgggtttct	ccatgttggt	21480

caggctggtc	ttgaactccc	aacctcaggt	gatctgcctc	cctcagcctc	ccaaagtact	21540
gggattacag	gcgtgagcca	ccttgcccag	cctacaaaaa	gttttaaaaa	attaaaaaat	21600
tagttgggca	tggaggtgca	tgccagctac	tcgggaggct	gaggcaggag	gattgcttga	21660
gccccatgaag	tggaggtgca	agtgaagccat	aattgcagca	ctgcactcca	gcctgggcca	21720
tagagcaaga	ccctgtctca	aaaatatata	tagtatccaa	ataaacacaa	taattacaga	21780
aaattgaaaa	gtgcccataa	gcaaaaaaaa	aaaaaagaaa	aaattaatca	cctgcgttct	21840
catcaccag	aattaacat	tgtaaatatt	tttgttatag	atccttccaa	acttttctcc	21900
atgcttgatga	ttgtatttat	tatacatgat	ttacagggat	ataaacgact	gtattattag	21960
tcattagaag	aactggatta	tggccgggca	cgggtggctca	cacctgtaat	ctcagtactc	22020
tgggaggctg	aagtgaagcag	atcatgaggt	caggaaatcg	agaccatcct	ggctaacaga	22080
gtgaaacccc	gtctctacta	aaaatacaaa	aaattacctg	ggcgtgggtg	caggcgcctg	22140
tagtcccagc	tactcgggag	gctcaggcag	gagcagagat	acctatctgt	tctcaggatt	22200
ttaaggtggt	gcgcggaaat	aagaaaaccg	tacagtgttt	ctcactacaa	agcagggtca	22260
ggagatgcaa	acaaactgat	gtgggggttc	caagtgaagt	ggaattccag	acaggggccg	22320
ggaagacttc	gtggaagggg	agaatctgag	gtgggttttc	taggatgggt	aaagttcatt	22380
agaggaagag	aagtgaacaa	gaggaagttc	ggtgagaggt	agagggaaag	cgttctgata	22440
atgaaggaaa	cactagaaaa	ggtatggaga	tagaaaaaga	taaggcctga	ttttttaacc	22500
taccacttaa	aaaaaatcct	tgaaaagaga	tttttaaaac	gaataacttg	tgctgacaaa	22560
ggtgaaatga	ccgggcgcgg	tggctcacac	ctgtaatctc	agcacattgg	gaggctgagg	22620
cgggcagatc	acttgagctc	aggagtttga	gaccagcgtg	gccaacatgg	caaaactcca	22680
tctctactaa	aaatataaaa	attagacggg	tgtgatgggt	ggtgcctgta	gtcccaacta	22740
ctcaggaggc	tgaggcagga	gaattgcttg	aaccgagag	gcggaggttg	ctgtgagctg	22800
agattgtgcc	actgcactcc	agcctggata	gcaggatgag	actgtctcaa	aaaaagaaag	22860
aaaaggaaa	aaaaaaaaat	ccgtactgta	aactggtaaa	ggctttcttt	ctggagagca	22920
atttggggca	catgcaccag	tagccttaga	aggctcatgc	ttttgacctt	attatcctat	22980
tagtggtgag	atgattaaag	atgtggcccc	aatttatgtg	aaaggatatg	atcacatctt	23040
cactcataat	caggagagtt	ggggaaaacc	ctagctgtta	atagtttatc	caaaatccat	23100
atatatatgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtatgg	atttatatat	atatataaat	23160
ggatatatat	atatatctgg	atggatatat	aaatatgata	tatatatgtg	tgtgtgtgta	23220
tatatatatg	tgtatatatg	tatatatata	tgatggaata	ctatttagcc	ataaaaagga	23280
atgaattaat	ggcattcgca	gtaacctgga	tggacttgga	gaccattatt	attttatttt	23340
atttatttat	ttttgagacg	gagtctcgct	ctgtcaccca	ggctggagtg	cagtggctcg	23400
agctcagctc	actgcaagct	ccacctcccg	agttgacgcc	attctcctgc	ctcagcctcc	23460
tgagttagct	ggactgcagg	cgcccgccat	cacgcccaga	taactttttg	tatttttagt	23520
agagactggg	tttcaccgtg	ttagccggga	tggctctccat	ctgctgacct	catgatccac	23580
ccgcctcggc	ctcccaaagt	gctgggatta	caggcgtgag	ccaccgcgcc	cagcgagact	23640
gttattctaa	gtgaagtaac	tcaggaatgg	aaaaccaaac	atcgatgttt	ctcactcata	23700
agtgggagtt	atgctatgag	gacgcaaagg	cataagaatg	atacgataga	ctttggggac	23760
tcagggaaaa	ggtgggaagg	gggtgaagga	taaaagatac	aaattgggtg	cagtgtatac	23820
tgctcgggtg	atgggtgcac	caaaatctca	taaatcacca	ctaatagaact	tactcatgta	23880
accaaatacc	acctgttcct	caataaacca	tggaaattaa	aaaagaaaaa	agaaaaagta	23940
ccctggaaaa	aaaatttctc	cctggccagt	cacggtggct	catacctgta	atcccagcaa	24000
ttcgagaggc	tgaggcagga	ggatcacttg	agcccagtag	ttcaaaaacca	gccagtgcaa	24060
catagtggga	ccctgtctca	aataaaaatct	aaaaattagc	cagggtgtgtt	ggtgcatgtc	24120
tgtgggtcca	gctactcagg	aggctgaggt	gagagtattg	cttgagccta	ggagggttaag	24180
gcggcagtg	gccgtgattg	tgccactgcc	atccaacctg	ggcaacaaag	caagaccctg	24240
tctcaaaaaa	aaagaaaaaa	aaaacctctc	tattcgcttt	ttaagaatac	ctgggcttct	24300
ctgtgtacac	ttaagcttca	ttggagtctt	tagacttttt	ttttgctgta	tctgtccagt	24360
taccaagtcc	cagcttctac	tccatgctcc	ccatgctctc	ttcctatttt	attttccatg	24420
actgcctcgg	tataacttgt	gctcaaccaa	actggactac	tcaattccct	gcattttctt	24480
ttttaaggtt	taatcaaaaa	aaaaaagaaa	actggctggg	cacagtgggc	ttctgcccac	24540
aatctcgggtg	ctttgggaaa	ctgaggcagg	aggattgtct	aaggccaaga	gttcaagacc	24600
agctcgggta	acatagcaag	acctccatct	ccacaaaaaa	atttataaat	tgactgagtg	24660
tgatgggtg	cacctaagtcc	cagctgcttg	ggaggctgag	gcaggagaat	tgcttgagcc	24720
caggagttcc	aggttatgat	gagctatgac	tgtgccaccg	cactccagcc	agggttaacag	24780

agtgggactg	tctcaaaaaa	caaaacaaaa	tccctaatat	aatctcagtg	tgcctttttaa	24840
gtatgccata	tatatatata	tatatatata	tatatatata	tatatatata	acatttttctt	24900
tatccactca	ttgattttca	tgtagttcta	atcgtagaat	tcatacatte	tttctatctt	24960
ccatctttca	cataacatca	caaacatttt	ctaggttgcc	atattgtctt	catagttact	25020
taaataatat	tccatcaagt	agcacaatca	tttatttcac	tagtcctcta	actgtagaca	25080
ttttggttgt	ttttgaaact	taataatgta	aataacaccg	tgataacaat	gtttatgtaa	25140
attcatattt	tggattatct	ccttaggggtg	gattcccaga	agtcacatta	gtaggtcaaa	25200
gagtatgagc	ctatttttcaa	ggctcttggt	ttattacctt	ttaattttcca	cttgcctcaa	25260
tattgctggg	ttgctccctt	atgatcacca	gagttactcc	gtcgggtccaa	attctttacc	25320
ttccgaaact	gggaaggcca	tgactcaatg	ttatatatat	agtaaaggct	actataacct	25380
tccccagaat	tttccaagcc	agtggctctct	aaagtgcact	ttggctgtta	aaatctgaat	25440
tcagaggggt	catgagactc	agtgttggtg	tagaatttaa	gctccttaat	ttgccacgtt	25500
gttttagacac	cacttaatac	tttattgcaa	atgacttgct	aacgcctctc	acctacaaac	25560
ttcatcctcc	tacaaatata	cctcctgcta	atcaaagtag	gctacagttg	agtctttaag	25620
tttcagtaga	aagatggccc	ttcctctggg	gtaggcgcat	gctcttcattg	ctgaagctca	25680
gtgaaaagc	ctcctctga	gttttctgccc	tcttctcctc	ccactgcaca	caccccagg	25740
tgttggcgcc	acttcaaagg	gagcctgtgg	atgaagaaaa	cacaggtaaa	ggcagagggc	25800
tcataagggg	gccataaatt	taaaaaagtta	agattcctgg	cactatcaac	tctcacttgt	25860
tttcaaata	gcatatggag	tggatattcc	agttttctatg	tctgtgttgt	tgtttttaaa	25920
aaaagacctt	tcaaagaact	gtgcattttt	tacaggctga	caggctgtgt	ttgggtgtta	25980
actgtcaggg	ctgactgggtc	acttggaaag	ggcaagggct	gaggtgcatg	caagtgtcgg	26040
ctgggttactc	acagacacag	cagccccctt	taccccgag	agagtctctgt	ttgctggagc	26100
ccttattctg	gccagcagtg	tcacaaatgc	acactgtaag	acatagacag	tcttggaaag	26160
aaagggaaac	tggcttttaa	aattcttact	ccttctagca	aagcaattca	tctttggcta	26220
taaagaataa	cacagccagg	tgcgggtggc	catgcttgta	atcccagcac	tttgggaggt	26280
caaggtgggc	agatcacttg	agtctaggag	ttcaagacca	gcctgggaaa	catggtgaaa	26340
ccccacctct	acccaaaaaa	aaaaaaaagaa	agaaaagaaa	gattagccag	gtttgggtgt	26400
acgtgcctgt	agtcccagggt	actcgggaag	ctgaggtggg	aggatcgctt	gagcctggag	26460
ggcggaggtt	gcagtgcagc	gagatcatgc	cactgcactc	cagcctgggc	aacagagtga	26520
cacctgtat	caaaaaaaaa	aaaaaaaaaag	aacagtaaca	cattattaga	aatgagcatt	26580
ctgaggccag	gcacgggtggc	tcatgcctat	aatcgagca	ctttgggagg	ccgaggcggg	26640
tggatcacia	ggtcaggaga	tcgagaccat	cctggctaac	acggtgaaac	cccgtcttta	26700
ctaaaaacac	aaaaaattag	ccgggtgcag	tggcgggtgc	ctatagtccc	agctactcag	26760
gaggtgcagg	caggagaaatg	gcgtgaaccc	ctgggagggc	gagcttgca	tgagccgaga	26820
tagtgccact	gcactccagc	ctgggcgaaa	gagcgagact	ccatctcaaa	aaaaaaaaaa	26880
aaaagaaaga	aacgagcatt	ctgaaatagt	cttccatagt	atgcttttga	caattcagca	26940
ggaaaataaa	ggatgtaaga	aatgaatgca	tatgttaggc	ctcttggtga	cctgtggact	27000
aaattgtttc	tccctgcaga	gatcagcaag	gacaactcct	gcaaagaaaa	ctgtacttgt	27060
tctcctgct	tgctccgggc	ccccaccata	agtgaactgc	tcaatgatca	ggacttacta	27120
gacgtgatca	ggataaaagt	ggatccgtgt	cacccaacgg	tgaaaaactg	gaggaatttt	27180
gcaagcaaat	gggggatgtc	ctatgacgaa	ttgtgcttcc	tggagcagag	gccacagagc	27240
cccaccttgg	agttcttgct	ccggaacagt	cagaggacgg	tgggccagct	gatggagctc	27300
tgcaggctct	accacagggc	cgacgtggag	aaggttctgc	gcaggtgggt	ggacgaggag	27360
tggcccaagc	gggagcgtgg	agacccctcc	aggcacttct	agagctcttc	ttcttctctc	27420
attggcctct	ccggatgttg	aaacaaccac	aggtcaagaa	ggaatgtgaa	tctgttgttt	27480
tataagagtt	taggacaagg	acgtggaaca	gtggacactg	gttttcccca	aagctggcag	27540
ttttgtggag	gggtagcttg	tttcgggtgg	ggatctctgt	ttatttttgc	acatctgtta	27600
taatttaata	ttcaaactctg	gaattaaaga	aacatatttt	ctagtatcct	ctaagggccca	27660
aagtcctaca	atcggaatgg	attcatgcca	cgttgaagat	aaaattatcc	tctctctgaa	27720
atacggtaaa	gatttaaaata	ggtcctgaga	ctgttgatag	ccccagacat	accacagca	27780
ttatatgtaa	catctctcct	gatcagtgcc	attcccacgg	tttcaaagaa	aacagctaca	27840
aggaatgctt	acctgagtgt	ctgcagcacc	ctccacttct	ctcctaggca	atgagaccca	27900
gtggctagaa	attcaccatg	tctatttcca	agatccatgc	cagggagctc	tttgactctc	27960
tggggaatcc	cactgtttgag	gttgatctct	tcacctcaga	aggtctcttc	agagctgctg	28020
tgcccagtg	tgcttcaact	ggtatctatg	aggtcctaga	gctccaggac	aatgataaga	28080

ctcgctatat	ggggaagggg	gtctcaaagc	ctgttgagcc	catcaataaa	actattgcac	28140
ctgtcctggg	tagcaagaaa	ctgaacgtca	cagaacaaga	gaagattgac	aaacttatga	28200
tagagatgga	tggaacagaa	aataaatcta	aattttggtgc	aaatgccatt	ctgggagtg	28260
ccctcgctgc	ctgcaaagct	agtgtctgtg	agaagggggg	tcccctgtac	caccacatcg	28320
ccgacttgtc	tggcaactcc	aaagtcattc	tgccagtc	gggtgttcaat	gtcatcaatg	28380
gcagttctca	tgctgtcacc	aagctggcca	tgcaggaggt	catggtcctc	ccagtcgggtg	28440
cagcaaactt	cagggaagcc	atgcccattg	gagcggaggt	ttaccacagc	ctgaagaatg	28500
tcacaaagga	gaaatattgg	aaagatgcca	ccggtgtggg	ggatggaggc	gcgtttgctc	28560
ccaacatcct	ggagaataaa	gaaggcctgg	agctgtctgaa	gactgcgatt	gggaaagctg	28620
gctacactga	taaggtgatc	gtcagcatgg	acgtagaggc	ctccgagttc	ttcaggtctg	28680
gaaagtatga	cctggaattc	aagtttctcg	acgacccac	caggtacatc	tcacctgact	28740
gtctggctga	cctgtacaag	tccttcatca	aaaactaccc	agtgggtgtc	actgaagatc	28800
cctttgacca	ggatgactgg	ggagcttggc	agaagttcac	ggccagtgc	ggaatccagg	28860
tagtgaggga	tgatctcaga	gtgaccaacc	caaagaggac	agcctcgcc	gtgaatgaga	28920
agaagtgcaa	ctgcctctg	ctcaaagtga	accagattcg	ctctgtgact	gagtccttcc	28980
aggcgtgcaa	gctggcccag	gccaatgggt	gggtgtgcat	gggtgcctcat	cattctgggg	29040
agactgaaaa	taccttcatc	actgacctgg	tgggtgggct	gtgacctggg	cagctcaaga	29100
ctgggtgccc	ttgctgatct	gagcgcttgg	ccaagtacaa	ccagctcctc	agaattgaag	29160
aggagctggg	cagcaaggct	aagtttgccg	gcaggaactt	cagnaacccc	ccagccaagt	29220
aagctgtggg	caggcaagcc	cttcagtcac	ctgggtggcta	attagacccc	tccccttggtg	29280
tcaactccgg	cagctcaaga	cccccgagca	acattttag	gggcccgtgc	tagttagcta	29340
cccttgccca	ccgcccgtga	gttcgcacct	cttccttaga	acttctacag	aagcaggttg	29400
cagttagccg	agattgcgcc	actgcacacc	agtttggaga	cagagtgaga	gtccgtccca	29460
gaaaaaaaaa	aaaaaaaaaa	gaacttntac	agaagccaag	ctccctggag	ccctgttggc	29520
agctctagcc	ttgcagtcac	gtaattggcc	caaatacccg	gagccacgtg	accctccagt	29580
gtcatctccg	gggtggccac	aggcaagatc	cccagtgatt	ttgtgctcaa	aataaaaaagc	29640
ctcattgacc	catgagaaaa	aagaaaacag	caatgagaag	tgaccctgtc	ttgttgggtt	29700
attacttttt	ttgttataaa	gtacttttgg	gaattaacag	gatgctagta	ttacatgggtg	29760
atactcttca	gaacacctgc	cccacttttt	ttatgcaagt	atgtttacaa	tcagtggact	29820
atcagtaatg	tcatttgctc	aaatattttt	taaagaccta	cagaaactga	tgggtatttg	29880
gaaaacagtc	aggaagtagt	gaggtaatca	aggccatggg	aatagtgttt	gacaaagaga	29940
gtactccaaa	tcccttttgg	ttaccagga	ctttaaaaaa	gagagtactc	catcacacct	30000
gtaatcccg	cactttggga	ggccgaggcg	gggtgatcac	gaggtcagga	gatcgagacc	30060
atcatagcta	acattggtga	accccgtctc	tactaaaaat	acaaaacatt	agccgggtgt	30120
gggtggcggg	gcctgtagtc	ccatctactc	aggaggctga	ggcaggagga	tggcttgaac	30180
ccaggaggcg	gacttgacgt	gagccgagat	agcaccactg	cactccagcc	tgggcgacag	30240
agcaagactg	tgtctcaaaa	aaaaaaaaaa	aagagtgtct	caaatactct	ttggttacc	30300
gggactttta	aaaatttaat	gtgatagtta	ggccgggtgt	ggttctcacg	cctgtaatcc	30360
tagcactttt	ggaagctgag	gcgggtggat	catttgaggt	caggagttag	agaccagcct	30420
ggccaacatg	gcgaaacccc	gtctctacta	aaaatacaaa	aattagccag	gcgtgggtgg	30480
gggcgcctgt	aatcccagct	cctcgggaaa	ttgaggcact	agaattgctt	gaaccagga	30540
gggtggaggt	gcagtgcgac	gagattgcgc	cactgcactc	cagcctagga	aacagagcga	30600
ggttccatct	caaaaaaaaa	aattgtaata	ataataataa	caatgtaata	tttacttttt	30660
catcctttat	ataaggctga	gtgcttcacc	cctgagatga	agctcagtta	agaaataaat	30720
gaaaatcccc	taacctattg	gtgaaaggta	accaccccca	gctcctacta	gcccacttta	30780
aaacaggacc	ccatcacact	acacagcagt	ttagccaaga	aaaggggggtc	tttatgtgga	30840
cactgggagg	gaagggattc	cttcaaattc	aaacttttaa	ggatttttaa	caaatgaaac	30900
atttggttca	agaatagct	gatgttttta	tttgatgatt	ttggagaaag	gaaagtgtgg	30960
ggcataatgg	ggtttgttat	tggaaagatc	agattttcta	ggttaatttg	gtggagaaag	31020
acaaaaggca	aagctttgac	tgacaatttc	atgaaagtgc	tatttggttt	tggttatggg	31080
cttagaaaaa	taagacactt	agttcaattt	ggaaggattc	tgtataagtc	cctgatttaa	31140
ataagcaaaa	atgatgaata	acactgattc	agtgcacccg	aaagattagg	attaactcaa	31200
aagaaggtta	ttttctaaac	caccgtgatt	ttttccactg	acaattacag	cggttttcat	31260
taggttgctg	acacatgaag	tcagcctcac	catcagttgc	aaactctaaa	ctagcaaaat	31320
ctattacaga	gacatactta	tcacttctga	tttagtgcta	atctcaccca	gctcatcttc	31380

tcttgtcaga	tttatgagat	aaatgtcaga	tttatcacca	gatatattga	aagtaacagc	31440
cagtaataaa	atgtgagatt	ttaaaaaata	gattcttttg	caaattgggtg	ttcagtgagg	31500
caattattaa	acattttttgt	cagccagggtt	ccaggcactg	tacagaagct	gttaggagtt	31560
ctcaccatct	acgaatttga	tttgatgtat	tgtattctca	ttaagctatg	tgtgacacat	31620
tgtcatttat	tagcccagaa	tttaaaaagc	tgtgggtgtt	tagtggtggg	ggtagcagac	31680
cccagcagtc	tgatgggtctg	cactccttcc	atcctgccac	cccctgggga	tgcaaagact	31740
ggatctcagg	gtgacaatct	tcttgcgcac	gactgcctgg	ccaagtgcct	ccagaaagcc	31800
ccttccttcc	cccattttcca	cccaggccca	cttgtcacct	cagcctaaca	ccagcctgca	31860
cagtctacgg	ccaccatcca	ggcagtgagg	gagggaaagg	ggaggagggt	ggaagggaaa	31920
acccctttct	atacctctcc	tcagcctgct	ctttcctcct	cccacctctg	agcctccgcc	31980
tccccagac	agagacagaa	aagatggaag	aacagggtggg	acctccaccc	ccaccccaag	32040
ccttcatccc	ggtggaggggg	gatgggaaga	tttctctcat	ttcaagagac	tcctccacct	32100
cagactgaca	aaaggcagag	gcctggcaag	aagaaagggc	accctgggga	agaagggcat	32160
tgaaaatgca	cctgccgggc	cgggcacggg	ggctcacgcc	tgtaatccca	acactttggg	32220
aggccgaggc	gcgtggatca	cggggtcagg	agttcaagac	cagcctggcc	aagatgggtga	32280
aaccccgctc	ctactaaaaa	tacaaaaagt	agccaggcgt	ggtagcgggt	gcctgtagtc	32340
ccagctactc	cggagggtga	gacagggaac	tgcttggaact	gggaagggtgg	aggttgagtc	32400
gagccaagat	cgtgccatgc	actccagcct	gggcgacaga	gtgagactcc	atctcaaaaa	32460
acaaaaacag	aaatagcacc	tgccccacc	ccctgccgcg	cctccttccc	gcccccgctc	32520
tttcttagac	ttcactcaag	tcctctgctc	agaggaagcc	ctgctctact	gaaagccaca	32580
aggccattct	cgggtggcctg	ggacagcagc	ccaagacgtg	ggcttctaac	tgctcccgaa	32640
ggggccacag	cagcaaacat	aaataaaaaat	agtaaaatgt	tcttaaatta	taaattttaa	32700
atttggaaaa	tttagtgagc	acagcttcta	gggggcatgt	ttccaaaatt	ccaaccacaa	32760
aagtgcagtc	tcaaaaactga	ctgtaaaccg	aacataccat	ctcatctcag	acacagctat	32820
tgttcacgag	tgtcagtgga	actttcctcc	cttgagatgg	acaaaaaacg	tcaagcaaga	32880
tgacatttgc	tgatttgcag	gcttcaggca	gataagatac	gggcagagtt	gagtgtgcgc	32940
ctttaccctt	aaatttcagga	atagcaggaa	cagcaggaaa	aacgtaggac	cacagcgtac	33000
gtcccacttg	tctttcattt	tgatatcatt	atttccagag	tcctgattgc	tagtcatgtc	33060
taacactgga	tttattatca	tctcattgct	agcatggcta	ggaaagcttt	gaacatcctt	33120
atcattctat	tttaattcct	attataattg	catggggaag	ttccagggtg	gaaaaatttc	33180
cttttctttc	tttttttttt	tttaatagga	gagtggctg	ggcacgggtg	ctcacgcctg	33240
tgatcccaac	actttggggag	gccaaggcgg	gtggatcacc	tgaggtcagg	agttcgagac	33300
caacctggcc	aacatagtga	aaacctatct	ctactaaaaa	tacaaagtta	gctgggtatg	33360
gtggtgcaca	cctatagtcc	cagctactgg	ggaggctgag	acaggagaat	cacttgaata	33420
cgggaggcag	cagtgaagcca	agatcatgcc	actgcactcc	aacctgggag	agacagagtg	33480
ccatctcaaa	aaaaacaaac	aaaagagttg	atataaattt	gctgttataa	tttgactgta	33540
ctgtttcttg	cacatgttga	catctgtaat	gactggagtt	tatgaaaatt	tttgatgagt	33600
aggagcatac	cattaacaga	gagaaattta	atcaaaagat	ttttaaaagt	ccttcagagt	33660
ccagactttg	actaagtgtg	gtatgattta	tatctatggt	gcatacaaaa	atatcaaaca	33720
gtaattccca	actgaaatac	aagtatcaat	caattgtgta	acaatgcaaa	atcatttaat	33780
ttaaagttaa	tttatagcaa	atgagtactg	taatagcata	agcatgccga	tactttacaa	33840
aggagagagt	ggaaaggtag	gatattataa	ctaattgatc	aaatcattgt	taaaatttaa	33900
gtttattaat	acttttactt	ctgtccgtag	ggatccatgt	taaattgggt	atattataaa	33960
cttaactgct	aatgatgagg	tccttttgct	attagaaatc	tattttttat	ttttctttat	34020
tattttttga	ggcagggtct	tgctctgttg	cccaggctgg	agtgcagtg	tgaaattata	34080
gctcactgca	gcctcaacct	cctgggctca	aggaatcctc	ctgcctcagc	ctcccaagta	34140
atggaaaactg	cagtcgtata	caagcacacc	cagcaatttt	tttttttttt	tttggttaaga	34200
tggggtttag	ctatgctgtc	caagctgggtc	tcaaaactct	ggcctcaagt	gatcctccca	34260
ccttanccctc	caaagtgtcg	ggattacagg	cgggagccac	cattcccagc	ctagaatgaa	34320
atatctttag	ctaaattaca	gggctggatg	tggtggctca	tgctgtaat	cccagcactt	34380
tgggagactg	agggcgggag	ggtcacttga	gatcaggagt	ttgagaccac	cctggggcaac	34440
acagtgaag	ttctgtctct	attttaaaaa	gagaaaaatc	tagggatat	tctcttaaac	34500
aaaactttca	tctataatgg	tagttgatga	ggtcctatgt	aatatgcatt	tccttggttg	34560
caatagcaaa	ttactacaca	cacagaaaag	aaagccacac	tccccgacac	atctacacac	34620
aggaggactc	acacaggagg	gagactcaaa	gaaggcacgt	gacttttaca	ttgttagggc	34680

ttacatggtc	ctgggatttc	ccaccagtac	tcaaaagatc	aattgtatga	acaagtcacc	34740
tattttttacg	gcactaaata	attattattc	aacaacatgg	aaaatatgtg	gtagcagacc	34800
tggatttttcc	ttaagagtta	tttttatgtg	gtactgcccc	ctgctggaat	ataacatcta	34860
tacacatcct	ttctggctgg	gctgacatcc	taaaaccagc	ccaggaccag	ccttttatta	34920
atattaattc	ttggccaggc	gcggtggctc	gcctgtaatc	ccagtacttt	gggagtccag	34980
ggcgggcgga	tcacgaggtc	aggagttcaa	gaccagcctg	gccaacatgg	tgaaactccg	35040
gctctactaa	aaatacaaaa	cttagctggg	catagtggca	cattcctgta	atcccagtta	35100
ctcgagaggc	tgaggcagga	gaattgcctg	aaccgggacc	cgggaggtgg	aggttgcggt	35160
gagccgaaat	cgtgccactg	cactccagcc	tgggctacag	agcgagactc	cgtctcaaaa	35220
ataaataaat	aaaaattaaa	attaaaaaat	aattcttggg	tgtatgctaa	aagccttgca	35280
agtagcccca	ctggaagata	ggaagagtgg	ggctgtttta	caaataagca	catataagca	35340
gaacgaggcc	gccataattg	aatgaaggt	ccccgtccc	tggatgtgtt	catcgctact	35400
tcaccctgtc	attcggatcc	aatgtgtgac	cagccagctc	caataacagt	tccatactct	35460
gggaattatt	tttaacactc	ggcaggatgc	tttcttctg	tagttttagg	cttagccctt	35520
tgtgcacttt	tggtctcttt	ccctttcaat	ttagcatcca	aggaagcggc	tgtgaccaa	35580
ggtagctgtc	atgttaaagg	acaaagtcca	tagttacagc	aaatattgac	ccagagcact	35640
atccttgccc	cttcctctat	aatgtgcaat	gcaaaaatat	gttcttttaa	gtacaatatt	35700
aataagtaag	gtctaggaga	ttttcttccc	ccttccttct	tcttttagat	gagtaaattg	35760
tttatctagt	tttgaggaga	ctatccttct	tatcacatct	ccttccactt	ctgctctcct	35820
tgttttataa	ttttcctctc	ccttgggtcc	gtgtcattat	ttcgtgtcgc	ttgttttcga	35880
gccatgcact	catttatcaa	atcagatttc	ctccgtatgc	cgacggcctt	cctctccctg	35940
ccacgggctt	cctttttccc	tgactatgca	gaagcaattt	gttcgcttgt	gtttcttttt	36000
ttttttgaga	cagagtctcg	ctctgtcacc	caggctggag	tgcagtggcg	acatctcggc	36060
tcactgcaac	ctccgcctgt	caggttcaag	caattctcat	gcgtcagcct	ccagagtagc	36120
tgggattaca	ggtgtttgcc	accaaggctg	gctaattttt	agtagagacg	gggtttcacc	36180
atgttggcca	ggcttgtctc	gaactcccaa	catcagttga	tccacccatc	tcggccttcc	36240
aaaatgctgg	gattataggc	atgaaccacc	gcactctggc	ttgtctttca	tccttaatga	36300
cactttagtc	ctaataatgc	taaaatcatt	ttctactctt	tgaattgaaa	cacagcttat	36360
ctacatgagc	ccaaggcagt	agcaacattc	acctccattt	cttctctgat	ctctaccttc	36420
tgaaccctgt	ggacttggtt	gtaaatggat	gagggcaagt	cttgcttcc	tcccctgtgt	36480
ttacagagga	tcgtggctga	gatgtggggc	cacactctgg	gcctgctggc	accctgggc	36540
cggtggtcgc	tgccctcag	ggtgtcacc	acctagacca	gaagaaccaa	ggtgagggag	36600
agcctgtttt	ctttcttctt	gtggctgcgg	gggctgtgag	gcatgggtct	agtggctgtg	36660
tttagctggg	gatgcctcct	agaaatcagc	tccaccgttg	aagagatcaa	agcaatgcac	36720
agtgccactt	gaaatgaaac	gattgagctt	atcagcgctt	ttgcaaattg	acaagagggg	36780
agctccccc	gacatcctga	actgagccat	gctcttctat	tttgtgtaac	agcccagtga	36840
cccctgaatc	ttcccctgag	gcaggtcccc	gaagcttcat	ggaggatgtt	cctcagctga	36900
ccaaggtgag	gctcttgagc	tcctaaatct	ttgtgatact	gtttatacat	ctttgtgctg	36960
tacttttttaa	gctgacttcg	tggtatcacc	tgtatgattt	tatgttttgc	ttctaaataa	37020
gtacagatta	ttttaaactc	taataatggg	tgctacaaaa	ttaaagatta	tgtcaatcac	37080
tgtctctgat	gagttatttt	atgtagattt	caacacaatc	attgattcat	gtgtactctt	37140
ggtcagtcac	cagtcacctg	agtacctagt	gggtttccaa	aatgggtcct	ggatgctggg	37200
gatgcaaaga	taagcaacac	atttctatcc	tcaacagcct	gtagatgagg	gagaatcact	37260
gcggacaatc	agggaaagta	ccggagagag	cagtgcacat	gtggtctaga	aactgggtga	37320
acaaagttga	gaatcactga	actaggagga	aagacaggtc	actgacaatc	caaggcacag	37380
tgactcacac	tctaactctca	gcactttggg	aggccaaggc	aggaagatcc	actgagctca	37440
ggagataaaag	accagcctgg	ctgacctatg	gagacccttc	tctaccaaaa	aaaaaaaaaa	37500
aaaaaaaaaac	attagcctgg	catgggtggg	tgtgctgtg	gtaccagcta	ttcaggaggc	37560
tgaagtggga	ggatcgcttg	agcccgggag	gtcaagactg	cagtgaatca	tgatcacacc	37620
attgcactcc	agcctaggga	agagagcaag	aaagaccctg	tctcaaaaac	agaaaaaac	37680
ccagtaaaat	gtttcagatg	ttgttaaagg	tgatttctact	gttacttttc	acctctcttc	37740
attttacatc	tctgacctat	gcttgccttc	tgacttgcca	gacattccta	gctatggact	37800
tgatgtctcg	acatggaggc	tcacaggcac	cccaaactca	gcctgcccta	agctgaaccc	37860
atgatctttc	cttccaaaact	tgtttctcac	cagagttccc	atcttatcat	ccacctagtt	37920
gttcaagtca	tccttaagac	ctccctctcc	ttcactgtct	attctacctc	cctaataatc	37980

cttaaatcct	tccctcctct	cccacctcac	agccaccatc	ctaacctaaag	cagccaccct	38040
ttctcaccct	ataatgacct	cctggctgtt	ctctatagag	ttggtgaatc	ctttcgtctt	38100
cagcctgaac	cccccttcga	gggattctta	tatatataca	tagatataca	caaatatata	38160
tgtacatatg	tacatatgtg	tgtatatatg	tacatatgtg	tatggatata	catatgtaca	38220
tatgtggatg	tacatatgta	catgtgtatg	gggtgtacata	tgtacatgtg	tatgggtgta	38280
catatgtaca	tatgtgtatg	gggtgtacata	tgtacatatg	tatatgggtg	tacatatgta	38340
catgtgtgta	tgggtgtaca	tatgtacatg	tgtgtatggg	tgtacatatg	tacatgtgtg	38400
tatatatgta	catgtgtgta	tgtacgcatg	tacatatgtg	catgtatgtg	catgtgtatg	38460
tgtgtgtatg	tacacgtgtg	catatgtgtg	tatatgtgta	cacgtgtacg	tgtgtatata	38520
tatatatata	tatactggct	ggagtgcagt	gggaaagttt	tggctcacca	caaactccac	38580
ctcccagggt	caagtgattc	tccctgectca	gtctcctgag	tagctgggat	tacaggcgtg	38640
caccaccatg	cccagcta	ttttgtat	ttagtagaga	cggggtttca	ccatgttggc	38700
caggctggtc	ttgaactcct	gacctcaggt	gatccacca	cctcggcctc	ccaaagtgtc	38760
gggattacag	gcgtgagcca	ccgtgcctgg	ccgattcct	atcttgaaga	cgaagcccca	38820
gaccatcgag	acggcctcaa	ggcctgcat	gacgcctcct	gccccaacac	ctcgtgtcat	38880
cttgctctcc	tctcccgcag	ctcctgaggc	tttagccacc	ctggaattcc	aagtcccat	38940
ggtcattttt	ttttcctgct	caagatatca	ccatgtgctg	tccccctctgc	ccttgtctac	39000
accacgtgt	ccttctcccc	ccccggccac	actcatgggg	cacactgtcc	ttccctggct	39060
aatcctccca	cactcgatac	cactttctct	gggatattgc	acccgatcct	cagccgcagt	39120
tgtcttccca	tgacccactc	ccacactctc	gccacaatgg	taattgtttg	attcctactt	39180
gttgctccctg	tgagactgca	aaccccagag	gacaggggcc	ctgggttctc	cttcgcctct	39240
ggatcatcag	cactaactga	atacctggcc	tagaagagat	gctaacgatg	ctgaatgaat	39300
aaataagtgg	aaagactctc	agtaaagcaa	aacctttctt	taccatttta	tggccgtcaa	39360
ggaggaaaac	acattatcag	tggaaaacgc	aaaatgaggg	gatttgctta	gcaaacgatg	39420
aattcctctg	gcaccctggc	agccttggtt	tcttttgatg	aggccaccc	ccttccatcc	39480
atcttctggg	cttaagagat	caaagcaaaa	catgctgtgg	aattcgatac	tgggtgcaggt	39540
tgcacaacat	tgtgactgaa	ctaaaagcca	ctggatggta	caactgaaaa	tgggtgaattg	39600
cgtgttgcat	gaattataac	ctaactgggg	aaaaaaaggc	ttaaaaagag	acaaagcttc	39660
ccccacaatg	gaaaggaagg	tataatagaa	acagcagctt	tcaaaccttg	gcaggataat	39720
gaaaccccg	ttctat	aaaaattagc	tgggtacagt	ggcacgtgcc	tgtagaccca	39780
gctactcggg	aggctgaggc	tgggaagatcg	cttgagccca	ggagtccaag	gctgtggtta	39840
actataatca	cactactgca	ctccagcctg	gggtgacagag	aaagaccctg	tctcaaaaaa	39900
ggaaggaaaag	aaggaaggaa	ggaagggaagg	agggaggag	ggagggaagg	aggggaaggaa	39960
ggaagggaagg	aaggaatatg	cagctctgag	cttagaaata	ggagtctatt	tctaagtggg	40020
agatggggag	aaggaggga	ctggggaggt	gaggaagaag	caggtattgt	caccagtga	40080
gactgtgctg	ttgtgagccc	agctaggcaa	ctggcaattc	cattctgtta	gtgacagcta	40140
caataaccca	aagccctctg	gagccctgct	ttcctctgct	ctcttcgtgg	cttgactagg	40200
agctgaagat	cctgtccctc	ttagagcatt	ggggcggccc	acccacctc	caccctctc	40260
cacctgctgc	ctcgaggccc	ctcccactcc	cggggtagac	aaaacagttt	agaggctgaa	40320
gtcaccgggg	ctgtaactgt	tggatttgca	catgtcatag	aaaatcatca	tatgttttgt	40380
gtggactcca	tgcataacaa	caagagaacc	aaccagaccc	catagacaga	agggagtgtg	40440
aattggagac	aaaatttaaa	ttatgagttg	ccttctat	agatttctcc	catttttaac	40500
aaaaaggagc	ccaaattcct	aaatgttatg	gttgtttgca	gcaacttatc	atctttctcc	40560
tttccttcat	agccaaggtt	tttgaaagag	ctatctgagg	ccgggaatgg	tgactcacgc	40620
ctgtaatcct	agcacagagg	ctgaggtgag	tggatcacct	gaggtcagga	gttcaagacc	40680
accctggcca	acatggcgaa	atcccgctc	tactaaaaat	acaaaaatta	gccgggcatg	40740
gtggcgtgtg	cctgtaatcc	cagctactca	ggaggctgag	gcaggagaat	cacttgaacc	40800
caggaggtgg	aggttgagc	gagccaagat	ctcaccactg	cactccagcc	tgggcaacag	40860
agtgaagactc	catctaaaac	aaaaaaaaaa	gtagctgtct	gttctttctt	ctcgaactct	40920
ttttcccgct	ggagtctgtg	acctgtgccc	gtctcctca	agtgaaggg	actagcagat	40980
ctgggtgaatt	accttcta	gcccgtaccc	tgcccatacc	agcttcaatc	tgtatgtaga	41040
agcttagctt	gctccatgca	tggcctccag	catccactgg	tcacaaaata	acacaaaata	41100
gcatgagaga	gaatggctgc	atggagccga	ggagctgctg	agactgaacc	caagccaggg	41160
ctactgctgg	gtggaactcg	acatgcccg	cccatgggaa	agtcttccca	cagaagtc	41220
atttgagggg	gtctcccagg	agacagcaca	ttctgagcaa	aggagtggg	cagagataac	41280

tattcaggaa	ccaagagact	cgctggaaag	aagcagagat	tttcagccca	gcgtagtgga	41340
tgtttcttga	atcttcccct	gtggatgccc	caaaccttga	gatccttcca	acaaatagca	41400
cactactaac	aaactgtgac	tcaaagagag	ggaaacatgg	tcccctgctc	tgtcacaat	41460
cactgtgaag	ctttggcacc	ctgactgctc	aggtggccac	caacacagaa	ggaccacgaa	41520
tggctgagtc	aggaagtcac	agccgtgtgg	ctggaagagg	ctctgccttg	ctctgggaga	41580
aatgcctatc	cccaaggaag	ccttagtatc	catgggagag	aaacactgta	gcaatggccc	41640
ccaggactct	cggaagcca	cttctgggtg	gaggggactc	aaaggggtgct	gggggacctg	41700
tgtctgcatc	tggaagtga	gagccaggaa	aattttcttt	cagtttcttt	cttttttctt	41760
ttcttttttt	tttttttttt	ttgagaaagg	gccttgccct	gtcgctcagg	ctgaaacata	41820
gtgggtgcgat	ctcggctcac	tgcaacctcc	acctcccagg	ttcgagtga	tctcctgcct	41880
cagcctcccg	agtagctggg	actacaggca	tgcaccccca	cccacgcca	gctaattttt	41940
gtatttttgg	tagagatgtg	gtttcgccat	gttggccagg	ctgggtctcga	actcctggcc	42000
tcaagtgatc	ctcccgatgt	gctgggatta	caggtgtgag	ccaccacgcc	cggcctcttt	42060
ctgcttcatt	taacattaat	ggtcatccca	cagcatgggt	ctgtgcacct	gtagtcccag	42120
ctactcaggt	ggctgaggtg	ggagaatcac	ttcggttcca	gctgtagtga	gccttgattg	42180
tgtctgtgaa	taaatgccac	ttctctccag	cttgagcaac	ataggagagac	tgtctcttaa	42240
aaaacaaaa	aaaacaggct	gggctcgggt	gcccacgcct	acaatcccag	cactttggga	42300
ggccaaggca	agaggattgc	ttgagcccag	gaggtcaaga	gcagcctggg	caaaataggg	42360
agaccccatc	tctacaaaa	gataaaaaat	aaaaaaatta	actgggcatg	gtgatacacc	42420
tgtagtccca	gctactctgg	aggctgagat	aggagtattg	cttgagcctg	ggaggctcgag	42480
gctgcagcga	gccatgatca	tgccactaca	ctccagtcca	ggcagcagag	tgagatcccg	42540
cctcaaaaa	ataaaaacaa	acaaaactca	tctctccctt	ggctcctgag	actacaatcc	42600
ctcacgggtc	ttttctactt	ctctgttttt	ctcttcttgt	ctcccttttt	ttctgggtctc	42660
tctgtcacc	aggctggagt	gcagtgggtg	gatcatagct	cactgcaacc	ttgacctcct	42720
gggttcaaga	gatcctccca	cctcagcctc	tcgagttagct	aggactacag	gctcacacca	42780
ccatgcctag	ctaataattg	tagattttgt	agagatgggg	tcttgctatg	ctgtccaggc	42840
tgggtctcaag	ctcctggcct	caagtgatcc	acccacctca	gccacccaaa	gttctgggat	42900
tacaggggtg	agccaccgcg	cccagccgat	aattgttgaa	aaatcatttt	cagttaagggt	42960
atccagtcaa	ggtcagaaaa	tgagaaaatg	ttaaaaaaa	aaaagctata	agtaaaacag	43020
attcagtcgg	gacatgatgg	ttcacgcctg	caatcccagc	actttgggag	gttgaggtag	43080
gataatcact	tgagcccagg	agttcgagac	cagcctgggc	aacatagcga	gaccttatcc	43140
atacaaaaa	atttaaaaa	taccaggga	tgggtggcata	ctcctgcatt	ccctgctaatt	43200
tggatgggtg	agggggagga	tcccttgaaa	taggagtaga	ggtgcaggaa	atatgattgt	43260
cccgtgtaat	ccagcctggg	tgacagagca	agatgttccc	cacccccctg	aaaaaaaaaa	43320
aaaaaccta	atccaaattt	taaaagtttc	cttgactctt	caacttgctc	accctccacc	43380
aaataaaata	actacgaagg	aggcttattt	tttactattt	ccagggatac	gatataatgt	43440
tgtcctgaaa	atatacatca	tggctttact	caagccacag	tgatgaggcc	tcattgtcac	43500
tgtagcctaa	ttacgatttt	ataactccat	ttaaaattca	atttaaacac	agtttaaaaa	43560
ttcagtcctaa	gtcaaacatg	ctctcagtag	ctagaagcaa	aactctgttc	aggctccttga	43620
tggatctatt	tgtactttct	ttcatgaaaa	cagaaagtcc	tttttttacac	accatgcaac	43680
aggaaaattc	ataacggaca	ttgttttacc	tgttcttggc	aaagacaagt	gagctcttaa	43740
caagcaaggt	aactatggag	atgatgtttt	gctccaagtt	aacacttaca	tatttaatta	43800
gaaagatttc	aaaggtgggc	agattcactg	gaaagtttcc	aaaagcttca	cttgttcaac	43860
aaataatggt	agagagggag	caccgtgccc	tcggggccct	aggaattagt	tccacatggt	43920
ccggtcctct	gtccagtgtg	cccagcatcc	acttgggaga	acagcatggc	cttctgtcca	43980
gggcagccca	cgccagcact	gcctgcccct	tcaggcccat	ggctcccatt	aagtgccatt	44040
tcgagcatac	ttagccaagt	ttccctacca	tggccaacaa	agaggttgtt	caaaaatgct	44100
tgtcaggtcg	ggcatgggtg	ctcacgcctg	tagtcccggc	actttgggag	gctgaggcgg	44160
gtggatcacc	tgaggtcagg	aattcaagac	cagcctggcc	gacatggtga	aaccccgctc	44220
ccacaaaaat	acaaacatta	gttgggcatg	atggcgggtg	cctgtaatcc	cagctgctca	44280
ggaggctgag	acaggagaat	tgcttgaacc	cgggaggtga	aggttgact	gagctgagat	44340
cacaccattg	cactccagcc	tgggcgacag	agtgagaatc	catctcgaaa	aaaaaaaaaa	44400
tttgtcaacg	gtttcactga	atccagaata	cttttctaaa	atgtcaacc	tatagaatac	44460
attttataaa	attatgaagg	cctgggtctg	tgtagtggct	cacgcttgta	atcccagcac	44520
tttgggcagc	caaggcaggt	ggatcgcttg	aggctgggag	tttgagacta	gcctggccaa	44580

caaggcaaaa	ccctgactct	actaaaaaat	acaaaaatta	actgggcgtg	gtggtgcaca	44640
cctgtaatcc	cagctactca	ggaggttgag	acaggagaat	cacttgaacc	caggaggtgg	44700
agggttcagt	gagtggagat	tgcgccattg	cactctagcc	tgggtgacag	agcaagactc	44760
tatcttcaaa	aaatagataa	ataaataaaa	attaaaacaa	aataaaattc	tgaaggcctt	44820
aggtcagaga	attaccgagg	gaatattcaa	agttatacct	ccaagtatct	acaatgaaga	44880
tactttcatc	agaaaaaagg	agtttacggc	caggccctgt	ggttcatgcc	tataatctca	44940
gcactttggg	aagccaaggc	tgaggcagga	ggatcacttg	aggccaggag	ttcgagacca	45000
gcctgagcaa	aaacgtgaga	tcccattttct	acaaaaaata	aaaatgtaag	gtaggcatgc	45060
aactgtagtc	ccagctactc	gagaggctga	ggcaagagga	tcgcttaaac	ccaggactcc	45120
agcctgagca	acagagcgag	accctgttta	taaaaaaaaa	agaaaaaaaa	aaagaagaag	45180
aagaaggaga	agaaaggaaa	taaaatttta	gaaaaaaaaa	aggacttaat	aagggttgat	45240
gaaggcaaga	atattcttag	ctctgtttta	gtcaagacct	gagtagtagc	tctacgtagc	45300
tgtatgtcga	taatgttttt	gagacagcac	tactgataaa	ttgttacata	ataaactggt	45360
atggctggat	gcagtggctc	atgcccataa	tcccagcacc	ttggggaggcc	gaagtgagtg	45420
gatcacctga	ggtcaggagt	tcgagactag	cctgatcaat	atgggtgaaat	cccattttcta	45480
ctaaaaaaat	aaaaattagc	tgggcattggt	ggcgcacctg	taatcccagc	tactcaggag	45540
gctggggcag	gaggattgct	tgaacccagg	agacagaggt	tgcagtgagc	cgagattgcg	45600
ccattgcaact	ccagcctaga	agacagagcg	agactccatc	tcaaataaat	aaactgttaa	45660
attaagttta	gcctaaagct	acccctttac	atatttttaag	ttcagtctaa	aggtttccct	45720
gcacatagtg	aactgtaacc	taactggatg	cgtaaacaga	ctataaccta	ctcttggggc	45780
agtcactgag	ttttggtcaa	tcaaaggcag	ccaactgttc	aaaccagggt	aaaataaggc	45840
agatgctgag	ctctaaccag	tccagccatt	tctgtacctt	gcttccattt	tctgtccatc	45900
actttccctt	ttctgtccat	aaatcttcca	ccacgtggct	gtgctggagc	cactgtgaaa	45960
ctattctggt	tcaggggctg	cccaattcat	gaatcattcc	ttgctcaatt	aaactctggt	46020
catttaattt	gtctaataat	tttcttttaa	tcaaagtaat	ttggccgggc	acagtggctc	46080
acgcctgtaa	tcccaacact	tcggggaggcc	gaggtaggtg	gatcacctga	ggtcaagggg	46140
tcaagactag	cctggccaac	atgggtgaaac	cccgctctcta	ctaaaagtac	aaaaattagc	46200
cgggtgtggt	ggcgggcgcc	tgtaatccca	gctactcggg	aggctgaggg	aggagaatcg	46260
cttgaaccgg	ggaggtggaa	gttgagtgga	gctgagattg	tgccattgca	ctccagcttg	46320
ggcgacaggg	caagactctg	tctcaaaaaa	aaaaaaaaaa	ttaattcaga	gacctactca	46380
tgtgaagttg	tattttttta	ttctccatat	tacaaaacag	aacaattggc	acagggatga	46440
agaaaacttt	tgcaaaacat	ctagagaggt	taaatgccat	gagtctttta	aatgtaagac	46500
tgctttcacc	tgagcaatct	agtgtccatt	tctagagcta	gcttaaatgt	ccgtgtaaat	46560
ccccgtaatt	ggttgggata	acaattacct	atgttgataa	acttgagtca	aaaactacgt	46620
ttccactgcc	tgccaccctt	atggatgggt	ttctcttaag	gtatcaaatt	ttactgggaa	46680
agacctagat	aaaataacgc	gaaaatgagg	cggggcgctc	tggcacatgc	ctgtaatccc	46740
agcgctttgg	gaggctgagt	cagaaagatc	tttgaattca	ggagttcaag	accagcctgg	46800
gcaatatagt	gaaatcctgt	ctttacaaaa	aattaaaaat	tagccaggca	tgggggcatg	46860
ggcctgtagt	cccagctact	tgggttgggt	gactgatgtg	ggaggatcac	ttgagcccag	46920
gaggttgagg	ctgcagtgag	ctctgacctt	gcccctgcac	tccagcctgg	gtgacagagc	46980
aagaccaggt	ctcaaaaaaga	aaagaaaaag	agtaatgtta	ggtcaaggta	gaacctacct	47040
tgactttctg	ttactatgga	agatattctg	gggtatctct	gagatccaag	tattatggca	47100
cttaagtaat	tcctatctat	tgttctactt	ggttcctcgg	gagtaaaagt	catattcaaa	47160
ccaaaaaggc	tgtgggattt	ccagaattttt	aaaagcaata	atagttaatg	ttctcccatg	47220
ggagttactc	cacatttttta	catatgttcc	atatgttaac	tcatttagac	cttaccttta	47280
tgaggtaagt	cctcttctta	tccccacttt	agaggtggga	aaactgaggc	acagaaagag	47340
taagttgctt	gcctaaggcc	ctgttactag	caggtgggtga	aaccagcatt	ccaaccggg	47400
agtctggcaa	atgtgtgtga	agagcacacg	tttggaaatg	acagtcatga	ggacactgta	47460
agacttctgg	aatgtttata	atttcacctt	tgttgtttat	ttttcctgtc	tgtttcccta	47520
gagtgaactg	agtgaaaaaa	gaaagaagaa	agaaagaaga	aagagaagaa	gaaagaagag	47580
agagaaaaag	aaaaaagaaa	agaaaaacag	aaaaagggaa	agaaagaaga	aatgaaagaa	47640
agaaaaagaa	agaagaagaa	aaagaaagag	agaaaggag	gaagggaagg	gggaggggag	47700
gaaagggaag	agaaagaaag	aagggggaca	gagggaagg	atgaaggagg	gagagagggg	47760
gggaaggagg	aagaaataaa	aagatgagga	tctgtatgct	tgaggggtgg	aggtgggggg	47820
cttgggtggg	agtgtgggat	gggcagaaag	ctggaggagg	ccctggaccg	actgcattcc	47880

acagaggatt	gtgggtgcaa	cgtaggtggc	agattgagaa	aagcaaacaa	acaagctcag	47940
ccttttgagc	ttcggggaag	aaaaaaagct	gagcagtga	tgctggcttc	ccacggagaa	48000
ggcaggctgc	ttcgccagct	cacatccttc	cgcgaccca	cttctctttt	ccggagggtca	48060
cttttagattg	ctttatggca	ggatctccag	gtcacaggaa	tgttatgttt	cgactgggggt	48120
ttccccctcc	cctgggatgc	ctgggccagc	tccccaaggg	ctagtctctg	tcccaggccc	48180
cacactccca	tagcactcag	caaaagccta	gagagagcac	cgcaaaatgc	caaacgcaac	48240
aggaccgcgt	aggaagaaga	cgcttggaat	gacagggaca	ctagaactgc	ccatggctcgt	48300
ggtctcaaat	ttttgttcca	tggtctgaaa	tactaaaagt	tcttaaacag	ctacttgatt	48360
tcatactatt	gttttgaaga	aaacagtgtt	tgtttgttgt	tttgtttgtt	tgtttgtttg	48420
agacagagtt	ttgctcttgt	tgccgagttt	ggtccatgtt	ggtcaggctg	gtctcgaact	48480
cctgacatca	ggtaatccac	ccacctctgc	ctcccaaagt	gctgggatta	caggaaaaca	48540
gttgtttctt	taaaacaatt	atataggctg	ggcacggtag	ctcatgcctg	taatcccagc	48600
actttgggag	gctgaggtgg	gtgaattacc	tgaggtcagc	agttcgagac	cagcctggcc	48660
aacatggtga	acctccgtct	ctactaaaaa	tgcaaaaaat	tagccgggcg	tggtggtgca	48720
ttcctgtaat	accagggtact	caggaggctg	aggcaggaga	atcacttgaa	cccaggaggt	48780
ggaggttgca	gtgactgag	atggcaccac	tgcactccag	cctgggcaac	aagagcaaaa	48840
ctccatctca	caatctcaaa	aaaataaaaat	aaaataaaaat	aaaataaatg	gttatataag	48900
ctaccttatt	gatgcagtta	caaataagcc	gctgaaacat	ataaatttta	aagaacaagc	48960
cacatatctt	tcatacccca	cagcttcacc	aactaaaggt	gtatgtagta	cttttgtgga	49020
aggcatttcc	acatgctttg	agggaccttg	aaatactgct	atgattacat	gatttttcta	49080
aaaccagact	actcctacat	tacaagaatt	gaaaagttca	gagtaaataat	ttgtaagacc	49140
tagaaaagat	gatgttcttt	aaaaaaaaacg	atgcccatct	ttgtagcgaa	aagaaagaga	49200
gatcagactg	ttactgtgtc	tatgtagaaa	cagaagacat	aagagactcc	attttgaaaa	49260
agacctgtac	tttaaacaaat	tgctttgctg	agatgttgtt	aattttagtc	tttgccccag	49320
ccactttgac	ccaactactt	tgaccaacc	tgagagctcac	aaaaatatat	gttgatgaa	49380
atcaaggttt	aagggatcta	gggctgtgca	ggacgtgcct	tgtaaacaaa	atgtttgcaa	49440
gcagtatact	tggtaaaagt	catcgccatt	ctctagtctc	aataaaccag	gggcacaagg	49500
cactgtggaa	agccgcaggg	acctctgccc	tggaagcg	ggtgttgtcc	aaggtttctc	49560
cccatgtggg	agtctgaaat	atggcctcgt	gggatgagaa	agacctgacc	atccccccagc	49620
ccaacacctg	taaagggtct	gtgccgaggt	ggattagtca	aagaggaaaag	cctcttgtag	49680
ttgagataga	ggaaggccac	tgctcctgc	ctgcccctgg	gaactgaatg	tcttggtata	49740
aaacccgatt	gtacatttgt	tcaattctga	gatagagaaa	aaaccgccct	atggcgggag	49800
gcgagacatg	tttgcagcaa	tgctgcctga	ttattcttta	ctccaccgag	atgtttgggt	49860
ggagagaaac	ataaatctgg	cttacgttgc	cgtccagtca	tagtaacttc	ccttgaactt	49920
aattatgacg	tagattctgt	tgctcacatg	ttcgttgctg	accttctcct	tattatcacc	49980
ctgctctcct	actacattcc	tttttgctga	aataacgaag	ataataatca	ataaaaactg	50040
agggaaactca	gagatggtgc	cgggtgcaggt	ccttggtatg	ctgagcgccg	gttccctggg	50100
cccactgttg	tttctctata	ctttgtctct	gtgttttatt	tattttctca	gtctctcgtc	50160
ccacctgact	agaaatatcc	acaggtgtgg	aggggcaggc	caccccttca	catcttgtct	50220
ccacttcctt	gattaaaaaa	aagaaaagaa	aaaaaaattt	gccgaagttg	gattcattca	50280
cagaattcta	cacattaaaa	atgttgagag	tcgggtgtgg	tggcagctcc	caaagctgcc	50340
tataatccca	gcgctttggg	aggcttgagc	ccaggaggtc	aaggctgcag	tgaactgaga	50400
tcgcaccact	gcactccagc	ctgggcgaca	gagcaagacc	ctgtctcaaa	gaaaaaaaaa	50460
aaaacagaaa	aaaataacgt	tacagaaaaa	gtacaatatt	tttaatatat	atatatatat	50520
tttttttttc	tgagacagag	tgttgctctg	tcacccaggc	cggagagcta	tggtctgatc	50580
tcagctcact	gcaacctcca	cctccgggt	tcaagcgatt	ctcctgcctc	agcctcccga	50640
gtagctggga	ttacaggcac	ccaccaccac	gcctggctaa	tttttgtatt	tttagtagag	50700
acgggggttc	cccatgttgg	ccaggctggc	ctcgaactcc	tgactttatg	atccgcctgc	50760
cttggcctcc	caaagtgttg	ggattacagg	tgtgagccac	catgccagc	caaaagtaca	50820
atatttttaa	tgacatataa	agatgttcat	tctttgtggt	tgccctgggt	gagagggact	50880
attgatactc	aatagtgttt	cttttgtttc	tacattgttt	ctatagtga	aatacgcatt	50940
ggctttgtat	taaaaaatgt	atagtaaaaa	tggttttatt	aaaaatagca	aataactaca	51000
aaaactccat	tgcaatggaa	agcagccctt	ggattttcta	ggtgaatgaa	acgagtaatt	51060
tatccaatgt	tagaaatgtc	taaaggctcg	ctcaggtttc	atgagcagaa	cagggaattgt	51120
atatccaatt	aaatgtgaaa	ttgcaatgcc	tggtgcgggtg	gcttatgcct	gtaatcccag	51180

cacttttggga	agccgaggca	ggggatcgct	tgagcccagg	agttcgagac	caccatgggt	51240
aacatgggga	ggccccatct	ctacaaaaaa	taaaaatcgt	tagccgggca	ggttgggtgca	51300
tgcttgtgtt	cccagctact	tgggaggctg	aggtggaagg	atcctctgag	cccaggagga	51360
tgaggctgca	gtgagacatg	atcgatgcac	tccagcctgg	atgacagagt	gagaccctgt	51420
ctcaaaaaaa	aaaaaaaaaga	aaagaaagta	caatcgcaat	taaatgtctt	tgcgttgggtg	51480
gctcctgacc	aaattcccta	agcaagcagt	atgttaatga	gcagaggggc	cacagctcac	51540
cttgctcaat	taaaggcagg	agcaggccgg	gcgtgggtggc	tcacgcctgt	aatcccagca	51600
ctttgggagg	ccaagggtggg	cggatcacga	ggtcaagaga	tcgagaccat	cctggccaac	51660
atggtgaaac	cctgtctgta	ctaaaaatac	gaaaattaac	tgggcatgtg	gcatgagcct	51720
gtaatcccag	ctactcggga	ggctgaggca	gaagaattgc	ttgaaccggg	gaggtggagg	51780
ttgcagttag	ccgagattgc	accactgccc	tccagcctgg	tgacagagcg	agacttcac	51840
ttaaaaaaa	aaaaaaaaaaa	ggcaggagca	agtatgggcc	agacagaaat	caaggtgtaa	51900
attgggcaga	tcctcaggcc	cagtgtctgaa	ttttggtttg	atgaaataaa	acattacatt	51960
tcaaggttgg	cagagaggaa	tgaaggtgga	agaggaatct	agggccattt	aggggaagcca	52020
tgaagcctcc	tgcccacact	agtgggtaga	gtggagccag	gcgttttgct	agggcttgct	52080
atatctcttg	gcaggtgtct	ctgctgccaa	atcccaagaat	tctaaattag	attaaatagc	52140
cagaaagaat	gttaaacatt	tggacatgat	atccctccctc	acagattagc	tagagtgtag	52200
ttctgtctgtg	ctagatactt	aaataaatac	ctccctagct	gtgaagcctg	cttatcacag	52260
tactatattt	taggatgagg	tcattatttt	cctatgcata	cacatgcatt	gtataatctt	52320
gccaatgtag	gtcagcccaa	aagaagtgtac	aaatgtgtag	aacacacatt	ggactagctt	52380
gggacaaaat	tagtatacct	aaagatgaca	gatttcttaa	ctaattttat	gagccatgca	52440
gctttgtatt	ctagcagaga	cagacattag	gaatcttata	aaatcaaaaa	ttttaatttt	52500
tgcttgaata	gctccaaagg	gctaagatct	caagcaaagt	cgtgtagggt	ttgtttttgt	52560
ggttgttgtt	gttttttagag	acaggttctt	gctctgtcac	ccatgctgaa	gtgcagcggg	52620
gcagtcctag	ctcactgcag	ccttgacctc	tcaggcttaa	gtgatcctcc	tgctttagcc	52680
tcccagtag	ctgggactac	aggcgcatgc	caccaccccg	agtaattttt	tattttttatt	52740
tttacttttg	tagagacagg	ggtctcaata	tggtgtctag	gctagtatct	tttttctttt	52800
tgagacagtc	tcgtcaatt	gcccaggctg	gagtgcagt	gtgccatctc	ggctcactgc	52860
aagctccgcc	tcccgggttc	acgccattct	cctgcctcag	cctcccaggt	agctgggact	52920
acaggcgccc	gccaccatgc	ccagctaatt	ttttttgtat	tttttagtaga	gacgggggtt	52980
caccgtgtta	gccaggatgg	tctcgatctt	ctgacctcgt	gatccacccg	cctcagcctc	53040
ccaaagtgtc	gagattacag	gcgtgagccc	tcgcgcccgg	cccagtcttg	taacttaact	53100
ttaaagctac	ttattcccaa	atgaagatgg	gatggtacac	agattttaag	tattagctgg	53160
tttgagcctt	ctgtctttta	aagcaacatt	ttactttgcc	acaggggtgg	ggggcggggg	53220
ccatcctaga	aagaagagt	tgagtttcat	gggatagggt	ctggggagggt	ggctggaggga	53280
gtttagggtt	ttttgatatc	tgtggctaca	cagacagata	accaaggaaa	atgtccaaac	53340
agtgaattaa	agtgtcact	gcactaacac	agagaaggac	cctgatgtct	ggccgcaggc	53400
ctttgttctc	attggcttca	aagaacttct	tgatgtctac	cttaatttca	ttattattta	53460
cccaggagtc	attcaggagc	agggtgttca	attgccatgt	agttatgtgg	ttttgagtga	53520
gtttcttaat	actgagttct	aatttgattg	tgctgtgggtc	tgagacactg	tttcgatttc	53580
agttcttttg	catttgctga	ggaatgtttc	atttccaatt	atgtggtcga	tttttagagta	53640
agtgccacgt	gacgtgaga	agaatacata	ttctgttgat	ttcggggggg	agagttctgt	53700
agatatctat	taggtccact	tgatccagag	ctgagctcaa	gtcttgaata	tccttattca	53760
ttttctgtct	cgtaaactctg	tctaataattg	acagtggggt	attcaagtct	cccactatta	53820
ttgtgtggaa	gtttaagtct	ctgtgtagggt	ctctaaaaac	ttgttttatg	aatctgggtg	53880
ctcctgtatt	gggtgcatat	gtatttagga	gagttagctc	ttcttgttga	attgctccct	53940
ttaccattat	gtaatgcccc	tctttgtctt	ttttgatctt	tgttgggata	aaattacatt	54000
ttatgtcccc	cttcctatag	tttgtcactg	agggttggca	gaagtgaaga	ggaagaagac	54060
atttgggtgt	ttgggttggg	gttatattag	gttataaggt	tcattgcctc	cacctcttct	54120
aaaacattta	gtttctaaat	gaatccagct	ttaaatgact	gcaggagtgc	ccatgcacaa	54180
ttttgtttct	caaatcttct	ggatttttcc	ttgaagaata	ttcacaggga	atggggctgt	54240
cttgcttcat	agttactctt	ttgtatacat	gatctcaaga	atcgccctgat	cactgtctga	54300
gttaaaccaa	tacactaact	gcctgaagt	ctgaaaagt	aaatgggggc	ttagaacctc	54360
actccagatc	ctacacaagc	tgatggttct	gttcccagaa	acaaccagc	ttcctcatca	54420
tctatggcca	gtgccttgta	gcggagctgg	agatcacct	ttagtgggct	cttcagctgg	54480

atctagaaat	caaattgaca	ccaggcagat	taacaagaga	aaagtataca	gatttttattg	54540
ctttttatatg	tactttgggaa	tctgcacaag	ggcaaagtcc	gaagaggtgg	ccaaagcaag	54600
gtgctttttat	acattttttag	aaaaagagcc	aaaaaattgg	agaagaaatg	ataggacaaa	54660
gaaaatctag	ccaggcagta	aatttttctag	gagaatcact	aggacatata	tgaggaaggg	54720
tgtgtaaaac	aggtgaaaga	taagggctag	ttcattaaac	atgtttactc	tggtccattg	54780
tagcctctac	gataaggagt	attttctcgc	tctgggtgtg	acagggcacg	cctcccagag	54840
caacctttat	cacttactgc	atgcaggaag	agacaggtca	gcccgcctt	cctgaaacta	54900
caattttcttc	agtgttttca	actcaaaata	atcaataccc	cccatctggc	atatctgggg	54960
atggcacgtc	ctttactcct	tcaggtctct	ctccctgaag	gtcctttgca	tagttgggaa	55020
tctccaccag	gaggggtagc	tcttttggtct	aaacccatgg	tggcagagtt	tcgacaatat	55080
tcccaactta	aatgtttctg	attctgagtg	gtggttagat	ccctttgtac	acccctgtcc	55140
ccagtgccta	cagaatgggc	atgttaataa	gtgttggtg	aacattcaat	gatggataag	55200
gaagaatagg	aggcaagaga	gacgggtggtc	tccagtgcca	agccccagtg	ctaactgggg	55260
tgattttttt	tcatgactca	ttttcctaaa	atcacctca	agggtcctac	aaaactcttc	55320
ccaacagcta	aatcacagac	taatctggcc	cctgcagctc	ttccctgatt	ataactaatt	55380
ttttgtgttt	ttttttttga	gatggagtct	tgctctgtca	cccaggttgg	agtgcattgg	55440
cactatctca	gctcacagca	acttccacct	cctgggttca	agcgattctc	ctgcctcagc	55500
ctcctgagta	gctgggactg	ccagcatgcg	ccaccatgcc	cggctaattt	tttttttttt	55560
tttttttagta	gagatgagat	ggggtttcac	catgttggtc	aggggtggtc	tgaactcctg	55620
accgcaagtg	atccgcttgc	ctcggcctcc	caaagtgtct	ggattacagg	tgtgagccac	55680
tgcgcccagc	catatattaa	tggtttttga	tgaatttgtt	ccatagatta	aaatcttgtg	55740
ccccatcgcg	tgtggggctc	catcgcatgt	ggggcacagg	gttcctgagt	gtttgtggct	55800
gtcaaaccac	gatgatttct	tgcttaatca	agcagatttg	aaagtctatc	tctgctacca	55860
ggaagcactt	gctcaactca	gaagacaatg	tcctatcagt	ctttcactat	cacgcactct	55920
ttcttcaaga	tccgtcaaat	tagctccagt	gaaacggagg	ctaaagtga	actttttctc	55980
ttatatagat	ttttattcat	aactagggaa	aaattaggca	cccacagaaa	aataataacc	56040
taaaaaaatt	aggctgaacg	taagaaaaat	ttgtgatgaa	ataaacattt	caatcaacag	56100
aaaatatatt	tctgactttt	tatgtgccac	cattagttac	atcattgaga	aaacaatat	56160
tgtattaaaa	aaagagctgg	tgaaaatctg	gcaattgggtc	gggcatagtg	gctcgtgcct	56220
gtaatcccag	cactttggaa	ggccgaggca	ggcggatcac	ttgaggtcag	gagtttgagg	56280
ccagcctgac	ccacgtgggtg	caacccccctc	tcaactaaaa	atacaaaaaat	tagctgggag	56340
tgggtggcagg	cgcatgtaat	cccagctact	agggaggtta	aggcaggaga	attgcttgaa	56400
tctgggagat	agaggttgca	gtgagccgag	actgagccac	tgcttccag	cctggtgaca	56460
gagcaagact	tcactctctc	ctcttttact	ttttttaaag	acttcttctc	aaaaataaaa	56520
agaaagaaag	aaaatctggc	aatccagtaa	aaactggcca	ctatggcatg	catgtgctat	56580
gcataaacgt	aaattgatgc	ataaacttaa	ttttagaact	ggaaggaaat	ctggagttct	56640
ttaggagcca	ggttttacac	atgcagaaac	ctaacagctt	cagtttcgat	tcgataaaat	56700
ttgactaact	aaacttaaga	taagcatagt	tacgcattag	agtattaaat	ctcaaacttt	56760
taaaaaagaa	ttcttctctt	gcttggttaat	tttctttctt	tctttttttt	ttttttgaga	56820
tagggctctg	ctgtcgtcca	ggccgaagtg	cagtgcgtc	atcatagttc	actgcagcct	56880
ctacctcccc	ggctcaagta	atcctcctgc	ctcagccttc	tgagtatctg	ggactacagg	56940
catgagccac	catgccagc	cttttctttt	cttttctttc	ttttctttct	ctctctgtct	57000
ctctttcttt	cttttttctt	ccctttcttc	tttttttttg	atggagtctt	gcactatcgc	57060
caggctggaa	tgcagtgggtg	cgatcttggtc	tactgcaac	ctccgcctcc	gggttcaagc	57120
aattctcctg	cctcagcctc	ctgagtagct	gagactacag	gtgtgtgcca	ccacgccagc	57180
taattttttt	atttttctag	agacggggtt	ttaccatgtt	ggccaggatg	gtcttgatct	57240
cctgacctca	ttctccacct	gcctaggcct	cccgaagtgc	tgggattaca	ggcatgagcc	57300
accgtacctg	gcccctttctt	tctttttatc	aagacaacaa	catgtcttta	tagtgctccc	57360
aaggctaaag	tataccttac	gtctatgtaa	acactcaacc	tgagctttgc	aatggcccat	57420
gttggcagta	gtgcaaacaa	aaacaattat	gaaacccatt	ttcctttgac	aaagagaaat	57480
aagtggcaag	aattggttct	ttctcttagt	atgggtctct	gaaaagaacc	agatcagtc	57540
aaaggggaat	atttttctga	agggataggt	tgggcctagt	ggcttctacc	tcttttagat	57600
gactgctggt	tctcgtttta	atgttaataa	gacactaata	ggagaaatca	cattaattca	57660
gtcaacaac	atttactgag	cacttctgt	agtcaggccc	tctgttaact	tctgggaata	57720
caatgacaac	tctgacaatc	ccaacccaag	gagccaacaa	gtccgggaat	agagacagac	57780

aagaaaacag	acaattacaa	ctctaccgtt	agaataaagg	tacattgaga	acttgcaaca	57840
aatattcctc	atcccttata	ttaattattc	ataacatggt	taccaccaat	aagaatagca	57900
ataacaataa	atgcccaact	cagacagcaa	tgtccattta	ccctgtgttt	acacagcata	57960
atacaagcaa	gctgtggaca	gagattctct	tgttttagtcc	tcacaactct	gcaaggtggg	58020
ttttattact	ctccatttct	agataaagga	tctcacctaa	tattacatgg	gccagtgggc	58080
ttccagttgg	ggtatgcaca	accctagggg	taggtgagga	ccctgcctgg	ggtcttcagg	58140
tggggaccat	caacctccat	ttgtactctt	ttctgaacat	tggctctgaga	cagaaagtcc	58200
ctgcaattaa	ggcattaagc	tggctctttt	tctatttctc	atctcataat	tgcccttctc	58260
ctgctttacc	aaaatctttc	accccccatc	atatatatat	atccccatac	atattctata	58320
tatacatacc	ctacatatgc	atgcacacac	atcatatata	tgtatgcata	tatgatatat	58380
acatatatgc	tatgtaaaca	tatatagtgt	gtatatacat	gtgtgtatgt	gtatatgtgt	58440
gtatatgtgt	atatatacac	gtgtgtgtgt	acatatatac	atcatatatg	tgtgtctata	58500
tatgtatata	tgggtgtgtc	tatatatgtg	tatatgtacg	caaatacgt	tatgtgatgt	58560
atatatatata	gatgtgtgtg	tgtatatata	tgtgtttgca	tgtgtgtgtg	tatatatata	58620
tagtatatac	atattttttg	agacagcatc	tcactctgtc	gccagggtg	aagttcgggtg	58680
gctgatgaca	gtcactgca	cctcccggtc	caagtgttcc	ttccacctca	gcttccgtga	58740
tggctgggac	tagaggcgtg	tgtcaccaca	ccagttagt	tattttattt	ttcgtagaga	58800
tgggtggtctc	actgtattgc	ccaggctggg	ctcgaaactcc	tgggtctcaag	cgcttttcca	58860
cctcgacttc	ccaaattgct	gggattacag	gtgtgagcca	ctgcaccggc	ccatccttta	58920
ttttaatatt	atgcagtgcc	ctgagacata	taaaaaaccc	accttcccaa	gtaaaggaaa	58980
ttcaagctga	tgcttcgaga	gccttcttta	acaaaggctc	tgaaataccc	tctctcatta	59040
aaatgatact	ttccaataaa	attttggtta	acaatgattt	acaaaatgat	aaaatttatt	59100
tattttgatt	gtgtatggat	catggtaaca	ataaaaagac	ttgtaaaaat	aactaaattg	59160
aaagaatctt	gaacatttag	agccttaaga	ctgtaggaat	tgaagaccac	agaattatta	59220
atztatatta	atatttttgt	tgcagagaca	taatgaatga	tcaacgaaag	gcttttaagc	59280
gttaaaaaata	tattacacta	gataaaaatta	tttgcgggaa	tgggatggaa	atacattttc	59340
aagagagaaa	ggagcaatgt	aaaatgaaga	tgtaaaatcc	ttctgctggg	tgtccttggg	59400
gttttctttt	aaagaaaagc	ttggcagtg	ttttcttttt	ttccattgga	tgatggtgaa	59460
tatcaaatca	ctttggtgct	aatatttcat	ttaatacatt	aatttttaaa	ttttctgtag	59520
agggtgggatc	tcactatggt	gtccaggctg	gtttcaaact	cctggcctca	agcaatctcc	59580
ctgcctcagc	ctcccacagt	gctgggatta	cagggtgtgag	ccactgcac	cggccccatt	59640
taatacattt	aaaagagtgg	tgtacaacatt	tttattttaa	atgtcatatt	tacaatatcc	59700
tagaatgtat	atcttttcaa	ctcattaaac	tacaacatcc	ttgtaaaaag	tgtgaaaagt	59760
tataatgttt	ttcaaaattc	gattagcagt	tacataagca	taaatgttta	aagtatgtat	59820
ggtacagcca	ggcttcagtt	ccctgtctta	aacacaaaga	tccatatcaa	ttccagatac	59880
tgcaatgggt	tgctgttttt	cctgcttccc	ccatctccaa	ataaaactaaa	gcatcaacat	59940
gcctcacctc	acataaccct	aagttttcag	cagttggcag	ttacacctgg	aaaccatttt	60000
tctaaaataa	acaacaactg	tttgcttacg	gatcaaaatg	caaaggacca	taacatttag	60060
cctcaccttc	ctactacaga	tcgagtttaa	aagtgccatg	gtatagctaa	attatgaaga	60120
aagatatgaa	tataactgca	aaagtggaa	gagatttggg	ataattcttg	cccattttgt	60180
taggccaaat	gcatctttgt	gcaaattaga	aaaaggtggt	cttcatccct	tcactcctat	60240
ccttttgggg	gtggaggggc	agtggctaaa	gtacagacta	ggtttcagct	accacatcct	60300
ccttcagtta	gctgccctcg	gcgtgacaga	aacatgtgca	aacagccctg	tgcttttgct	60360
ttatgttcca	gccagccaag	aaaaatagtt	gtaaaagagc	agctgctggt	tggggtaatg	60420
accttggaac	ctccccaatt	tgttccaagc	ctgtttttgt	attcattttt	cccacattta	60480
tgttcctgga	tggaagcttc	catatctgct	cttgccctta	tttgaaattc	cccagatttc	60540
cttctctggt	cctggccttt	ggtttttcat	gtggctcctg	atcccacacg	ctccctgaat	60600
ttggattctc	ctgtcatttc	agggtgcagg	tttcccacta	cagcctcttg	ggcctcacct	60660
ccaatacctc	tttcccata	gaacagcccg	gaccttcccc	tatggtagag	cagagacaga	60720
atttaaatga	attctcaaga	agtgtttgga	ctcatatcta	gcaaaattac	atggcattta	60780
acctttgaca	caaaaaatgc	agcttctagg	aatctatcta	aagatacact	gtggcaaat	60840
tacaaaaaga	agcattattt	atcaaagcact	atttctaat	aaaataattc	ttaggtcagg	60900
cgcaatgggt	caggcctgta	atcccagcac	cctgggaggc	tgagggaaggc	agatggcttg	60960
agctctggag	ttcaggacca	gcgtgggtaa	catgacaaaa	ccccatctct	aacaaaaata	61020
caaaaattag	ccgggcatgg	tggcatgcac	ctgtagtccc	agctactcga	gaggctgagg	61080

tgggaggatc	gcttgagcct	gggaggcaca	ggttgcagtg	agccaagatc	gcaccactgc	61140
actccagcct	gggtgacaga	gtgagaccct	gtcaaagaaa	gagagagaga	gagagaaagg	61200
aaagaaaagg	agaaaaggaa	aaagagaaa	gaaagagaaa	gaaagagaaa	aagaaagaaa	61260
gaaggaaaga	aagaaagaaa	aaagaaagaa	aaagaaagag	aaaggagaaa	aagaattcct	61320
actaataaat	gcaggagaaa	tgatagaatt	gaaatatcac	cattttcaat	tcctaataaa	61380
ataacgtatc	taggcaatga	ccatcaatag	ctagatgcta	aaatcatctg	atcaaact	61440
gatgggaact	tcgtaacaga	tggatcaggc	taacaacatc	tgaaaccact	aactggtttt	61500
gatgtcataa	aaagaaaaac	aaccagatat	tttctgtctc	ctgatgagtt	gcaattggag	61560
ctacatatca	cctgtaaaagt	cttctggcca	aaaaattaa	cccagccgga	ccttattaaa	61620
cctttaaatc	taacaattag	ttttgaagct	tttacagatt	aatgaagtc	tgagatttgc	61680
ttcaaaatga	accagtgggtg	gggaggaagt	gggtgagggtg	taggtgaaac	aagattggcc	61740
acgtcgataa	ttgtcggagc	tgggcgatga	aagcacaggt	atztatcaca	ccatctctct	61800
acttttgtgt	gtttttttgt	ttgttttttg	ttttggtttt	aaggagcaga	gagtctaata	61860
ggcaagaaa	aaaagagaa	gctgaaggaa	gacgctcccc	cgtacagaga	cagagggaag	61920
gggctccaaa	gccgaaagag	gaggtcctct	tgtgtatggt	ttaaaatact	cccagataaa	61980
atattttttg	aagagtactt	ggttggattc	aacagctttt	ttttaattta	aaaaaatcac	62040
ctcaattttt	ttgcttgctc	taacgtgcca	tagaaattcc	tgaggtttta	cttgttgctt	62100
tacaatgaac	tgtgtaaaac	caagctggaa	gagatcagct	atgcgctgga	agggttggtt	62160
aaatattgag	actgccttgc	tgagggaagc	cttttaatga	atctcagtaa	ttttgcaaga	62220
gaaaagataa	caatgaacac	tacattaaac	atcattcttt	tgacttttgc	taaatatgtg	62280
tatgtaaatt	actgtctgac	tgttactgga	tatatacagc	atatacatat	gcactttttt	62340
tactgttttt	tttttttttt	tttttttttt	ttttttttta	gagcttgctc	tgtcacctag	62400
gctggagggc	agtggcgag	tctcagctca	ctgcaatctc	cgctcccag	gttcaagcga	62460
ttctcctgtc	tcagcctcca	aagtagctgg	gactacaggc	gcctgccacc	gctcctggct	62520
aatttttgta	tttttagtag	agacaggggt	tcactatggt	gtccaggctg	gtctcgaact	62580
cctgacctcg	tgatccatct	gcctcggcct	cccaaagtgc	tgaggattaca	ggcataagcc	62640
accgcgcccc	gccccatgat	actattttata	catttttagt	atcattttgt	ctttacattt	62700
tacataaatt	cagatacatt	ttcctcatat	caaataattc	agcatttttt	agtactaaca	62760
tcatagtctg	taagccattc	aaaaaatgta	tttcacaaaa	taggctatct	catcctttga	62820
gctattgaga	tgaattaatt	tatactcctc	ctaagatccc	tctcgtcact	aagattcttt	62880
tatttttatga	caaaaccata	gttctagaag	cttgtttctc	ccacctgaaa	agactggatt	62940
tgggacatga	tcctgtagaa	cttcggagggt	aagcctgggtg	aatcagatca	taggggggtc	63000
ggaggggtgaa	aaaaaagggt	ttggtgctca	tggatggggc	tagtattggg	gtgtagggga	63060
gattaggtca	aagcaagagg	attcaaaggga	gaaatgaatt	cctttagatt	ggggaagata	63120
atcggaagag	gtaaaagaca	ccgtccatga	cacttcctgg	ggaagcagat	gtatgtataa	63180
ggatgtgagt	attgtggttt	tgtaaagaat	gcattcctga	agatggttga	taatttaaaa	63240
cctacatatt	ttgattaatt	ttctcatgag	aatagcaggg	tatgtgttct	cggcgctcac	63300
aaatgtataa	tccattgtgg	caaatttttg	ctttcacata	ttttttttta	tcattattgt	63360
cacaggttct	gtgacggagt	tctggtttct	aaattcacag	cataccaagg	cagttcttta	63420
aagtctctga	tactctttta	tcatatctaa	cttgatttcc	aaaattattg	agttggagca	63480
cattttccca	gcacttagca	ccgctatttc	atggatgggt	ggagaggggg	tccaaaaatt	63540
ttacaattat	gttaacaaaa	gtaacacagc	aacaaaacaa	taagcaaaat	cactgccaga	63600
gtattcctta	gcttgaaaaca	atacggttca	catcgataga	atatggcatc	tatttctggt	63660
taatcagtta	accctgctaa	gtagcaagag	cttacaattc	atgtctaaaa	tcattgattt	63720
tttactagtt	ttttaaaaaa	tgtgggctct	atatatataa	tttaacattt	tgcttgtaag	63780
acttaatttt	gcctgggtat	ggtggctcat	gcctgtaatc	ctagcacttc	aggaggttga	63840
ggcaggagga	ctgcttgaac	ccaggagttc	aagaccagcc	tgggcaacac	agtgggaccc	63900
catcactacc	aaaaaaaaaa	aaaattagtc	aggcatgggtg	gtgtgcactt	gtagtcctag	63960
ctacttggga	ggctgaggtg	ggaggatcac	ttgagcccag	gaggtcactg	ctgcagttag	64020
ccattattgt	accacaacac	tccagcctgg	gtaatatagat	gagactctgt	ctcaaaaaaa	64080
aaaaaagact	atttctaaat	gtgtggctat	attataccat	ataaatgtgg	cttcttgggc	64140
aaggaaagag	gacacatag	atgaaaaaga	aattgatcct	accagaagtg	atccttttat	64200
ctgcataact	ctcaggcagt	tgtggcaaat	aattggcaat	atctattggt	ctgaaactgg	64260
ttttcgcaac	ttttattggg	aacaccatcc	cctctcctgc	atgatcagtt	tctcctctcc	64320
acggatcatt	cacatgagta	aagtcagtag	cgtgctggta	aatgtttaag	atcttgttct	64380

ttgggggaaa	aagttcctaa	gttctagcag	ttgccctgga	taacttcaag	gtatcaacat	64440
ggaagttatg	tacaaaaatg	gctgtcacaa	gccagtatga	gctaacacca	acatactacc	64500
cagtgttctt	caaacttcag	ctcacagccc	attagtgggg	cttgcaaaca	ttttagtgga	64560
ctataagcag	cattttttta	aaatgaaaaa	gtagattgtt	ttacacataa	caggagtatt	64620
gttttgtaca	attttttttt	tttttttttt	tttttagaca	cagtttctact	ctgttgccca	64680
ggctggagta	cagtgggtaca	atctcagctc	actgcaacct	cggccttctg	ggttcaagcg	64740
attctcatgc	ctcagcctcc	cgagttagctg	aaattacagg	catgcgccac	aaggcccagc	64800
taattattgt	attttttagta	gaaacagggg	ttcaccatat	tggccagggt	ggtctcaaac	64860
tcctgacctc	aagtgatcca	cctgcctcgg	cttcccaaag	tgctgggatt	acaggagtga	64920
gccaacgtgc	ctggtcaaaa	tttttgtttt	cgtaatttta	agtatgtgtg	tagtaagtct	64980
caatggaaat	gtaattctta	tggcaggtca	cttgaaaaaa	aagaagtcta	aaagtcacca	65040
atgtagtatc	ttctctttaa	aaaaaaaaaa	aaacaacagg	agaaaacctg	aatctgccct	65100
ttgctccact	ccttcctcag	ctataatgct	gcttctccat	tcctcctcac	agcaaacctt	65160
tctgaaatct	ttatagtcac	ggtttccacc	agttcttcac	ctcccatttc	tcaacacact	65220
tcagagtcag	agtcagcaat	gacatccatg	ttcctaagcc	cattgcttac	ttccgctctc	65280
cttggcctct	cagcacactt	ggcacacagg	ctgtttctct	ttctttggca	tctgtgacac	65340
cactctcagc	aaattcccct	ggttgctccct	tctcagtcct	atttattggc	gttgtcttat	65400
ctccccaggg	ctgtccgagg	tgattttctc	ccactactct	cctagggtgg	gccatccaat	65460
ctcatgatgt	catatcattc	ttccctcatg	cttcagccat	actggttggg	ggcctttgtt	65520
tcctgaacac	atttaatgca	ttctcaagac	cctcagggac	tttgagcag	ctgctcgcta	65580
aggctggaat	gctcttcccc	accatcttca	tatggctgtt	tcctttcttt	cactcaccag	65640
cagcttaaac	tttgactcct	ctgagagact	ttccttgcca	cccaactaag	gttgccactc	65700
agggtgctcc	aatttaatct	tctctaaaac	acatcactgt	atgtgtcctc	aactagagta	65760
taagcttcct	cgaacaaga	acaatcaaaa	ctccttgccc	tcattggagt	tatagtctta	65820
tgatgggtga	agtaacataa	aataaaaaag	caccttatat	agtatattag	catgacaaat	65880
gttagccaga	aataaagcaa	ggaagagttg	ctagggagtg	tgtatgagtg	tgttttggga	65940
gagtgtttgc	aatttttaaat	attggtgggtc	aggaagggcc	ccactgagaa	ctgacatttg	66000
agtagacttg	aaaagggaaa	aggaaatatt	gagtaaagat	tttaggatgg	gagtgtgaca	66060
ggcctgctag	gagaatagca	aagtcgctgt	ggctgctgca	gaaaaagtga	gaaggaaagt	66120
agtaggagat	gaaatcacag	tgtgtgagga	ttcgggcaga	tcaggaaagt	ctcgtgtaag	66180
aactggatct	ttactcaaag	aatgagcaaa	aattagtaga	cggttggccg	gatgcagtgg	66240
ctcacacctg	caatcccagg	ttacaggagg	ccgaggcggg	cggatcactt	gaggtcagga	66300
gttcaagact	agcctgggca	acatgggtgaa	acctcatctc	tactaaaaat	acaaaactta	66360
gctgggcacg	gtggcgcgca	cctgtagtcc	cagctatctc	ggaggctgag	gcacatgaat	66420
cacttgaaca	cggtaggcag	aggctgcagt	gagctgagaa	tgtaacactg	tactccactc	66480
caacctgggc	aacagagtga	gactgcctca	aaaaaaaaaa	aaaagtaggt	tttagtaagg	66540
gattaacatg	atctgaatta	tgttttgtca	tgacttctct	ggctgttgtg	ttgagactac	66600
attgcagagg	ggcaagggca	aatatagggg	gaccgattag	gatactgcag	taataatgta	66660
agagatgtgg	gactctatct	agaagggccc	atgaggtcct	ttgcatgcta	gtattcttta	66720
ctgctgtgcc	tggccatgat	aggcattcag	tgaatatttg	cttattttaa	ataacacact	66780
gggctaattg	aacaacagtg	ccaaatgagg	gagatatttc	taggaataag	ttcttaggat	66840
ttatgaacat	tttaatccag	attttctttg	ttaaactctg	tctctggccc	tttctactcag	66900
ccccgtttgc	acctaaatat	gacttacaaa	agaaacacag	catttatgtg	tacttatttc	66960
aacttacttt	agctttgtaa	agaagtacaa	ggttgactca	gggcccagct	tggtgtctca	67020
tgctgtaat	ttcagcattg	tgggaggcca	aggcaggaag	atattgtgag	cccaggagtt	67080
tgagaccagc	ccgggcaaca	cagtggaccc	tgtctctaca	aaaaaaaaat	tttaaattag	67140
ctgggcatag	tgggtgtcgt	ctatagtccc	agctactcct	ggggctgagg	tgggaggatc	67200
acttgagggg	aaccctgtct	caaagtggcg	gggctggggg	gagactcagg	cagaattgtg	67260
aagatattca	attgctcctg	actttatcaa	taatctaaca	tttcaacctt	acattgatat	67320
ctattttatg	caaagcatta	cactatgcac	tggagactgt	ataagacaag	ttccttttct	67380
caaactacag	tcgagtggga	tagataaaac	acacaacaca	taccaaaga	cagctataaa	67440
tccaaggcag	tgtatgtcaa	gggtaaattc	acctattcag	attggatctt	gagaagtgca	67500
tcaggcttgg	aaaatgggta	aggaggagag	aaaagtaaca	gtgaatcaga	acatgagttc	67560
ccagttatgg	gacttgtaat	gaattcctca	attaaaacaa	aaaataatga	aaacaaaagc	67620
cagggaggag	aaagccacg	ttaatgacac	taaaatatat	ctttccaaac	aaatgtggat	67680

aaaagccaag	tagagaagat	gagaactttg	aggtccttaa	cacaaaataa	acagtaagca	67740
gccagccatt	ccaagtggct	gacatgactt	tgttttaactt	tatttgtatt	tctggctggg	67800
gtgtttacag	ccaataggct	aaactatcag	tcagtgtagg	gccctgagaa	gtcgggtatt	67860
taagagcatc	taataggcac	agaattgtgc	tccatactgc	ttaaactgtt	ccctaagtgt	67920
ccaatttggg	gaaaacaccc	acacgcagga	taaccggcga	gtgacgcgga	gtggctgcga	67980
gtccaagtta	tcactaacgg	atggggagct	tgggctgggc	acagtccagc	gtactgaacc	68040
cttccccac	cgtttcacct	gcatacagag	gtgtgtactg	tcaaaaagca	gcgcctccaa	68100
gtctcttctg	gcactgtctg	gacttggtatc	cgaggcagac	gaggaagctg	agaaaaccct	68160
ggcgttgacc	ccgtggacct	gggcgccccg	ggaaggccag	cgcttgggtcc	aggcaggcgg	68220
ggcctgtgcg	gtgaccaccc	tggtcctgaa	aagtcccagc	cccagcgcgc	ctccctccta	68280
gacctggagg	cctggaacag	ccagggtggac	gtcggcccac	ctttcttttc	tttcttccc	68340
attttcctac	cacctccac	cccactccgc	cttcggggca	aaggcagcca	gatccaccca	68400
ggacacattc	tttgtcctta	tccctctgtg	ctcgtcccac	agcaagccag	tcgcgggtcca	68460
aggctccaga	ggctgtgcag	gaggccgagc	tgggtggcga	tcagcggcgg	gtccctgtcc	68520
aaaatccagc	agagccgcca	gggacgcccc	agacacagaa	ggcggggcgc	ggggaggggtg	68580
gggagaccac	agcagtgagg	cgcgcgagcc	gggaagtga	cgaggactga	ctcctgtcgc	68640
ttcccgtagc	cgcccagga	cgccagagcc	gggaaccctg	acggcactta	gctgctgaca	68700
aacaaacctgc	tccgtggagc	gcctgaaaca	ccagtctttg	ggtgagtcgc	gcgacccccg	68760
gcctcggttg	gcggggcagt	cgctagaggc	gtggctgctc	tgagggtctc	gccagtggag	68820
gatggcattc	ggatgtcacg	gctcctaaat	caccatttga	tgggtgggac	agtgtccagt	68880
ccacccccgac	ccgcgggtcc	tcaccgcggc	agagccgggg	ctgggtggcg	gggacgtgc	68940
ctctgcaggc	gaggcgctcc	ggggcataag	ggattatcag	gagtcgcggc	ctttcttgga	69000
catccctggc	tggggtcagg	ctgtttgccc	tggggtgtct	cctcgtgca	aacccacccc	69060
acctgggctg	ctttctcacc	tgttccctcc	tagcctgagg	ccgagcgcca	cctccaagtg	69120
gaggaatctg	gggaagtttc	cttcccgga	tttgtagtga	cagtggagtg	acctccattg	69180
cgttccctgc	ctctaacacg	ctcttttagga	tgccgagtca	tttgactgca	gtgttaaaca	69240
ttgcaaagcg	caagtcatgt	gacttccttt	gaccgtacgt	gaaacttaag	tgatggctgc	69300
ttgtgatgca	tacgaagtgt	tcatgctggc	gggacctgtc	cctggggata	cttcgggggt	69360
tgcgtgattt	aatgcaagca	gatggcttaa	attgggtcac	tggcttggtta	ttatacatgt	69420
gtatggcaac	tcggcatcca	ttctttttgc	tcttgttctt	acttcctgaa	ttgagtcacg	69480
gagccagagt	tttgaggttt	tgactaacga	attaagttaa	tgacatgggg	ctatathtag	69540
gtggtaaacc	aagagggata	cagttttttt	tcttaataaa	gaaaaagtga	tagatttgat	69600
cggtgtgtat	tgttgggtg	cagtataatg	acagaattgc	tggaagttaa	atacagggaag	69660
ctctgggttc	atttcccctt	tagttctgct	taaagtcgag	tttttcctgg	agctattaaa	69720
tgtagtgtag	tgtccatgag	tgcttttatc	ttaaaaaatg	tggctgatgc	tttccaacac	69780
tcccctgccc	tgtgattatt	atttttttta	gcaacagaga	aaactgtatc	ttaatagtat	69840
taaaagtatt	ggattttttc	ctactttgat	ttgttttaaat	tggaggagga	agagcaattc	69900
tttctattca	caataataat	agctaacata	gcgcttactc	tttcgctgtt	ttattaactc	69960
aatcctcaga	acaaaccaat	gatgtgaata	ctgtaattct	cattttatgg	aaatgaaaat	70020
ttaaatgaat	acctctgata	attgtacggg	actgtttgat	tagtatttac	cattaattaa	70080
ttaaattttt	tttttttttg	agatggagtc	tcgttctgtt	gccaggctg	gagtgcagtg	70140
gcacaatctc	ggctcacttc	aacctccgtc	tcccagggtc	aagcaattgt	cctgtctcag	70200
cctctgagt	agctgggact	acagggtgat	gccactacgt	ctggctaatt	tttgtatttt	70260
tagtagggat	gggatttcac	catattgggtc	aggctgggtc	ccaactcctg	aacctcaggt	70320
gatccacccg	ccttggcctc	ccaaagtgtc	gggattacag	gtgtgagcca	ccatgcctgg	70380
cctatttttag	tattttttaat	aataaattcc	atgttagaaa	ttttctactg	atgtattttt	70440
taagtcaata	tttcctacac	tcacaatcca	aaattattta	gtatatgagc	acactggtaa	70500
gaatgggagg	cagatcggtg	attgtaataa	tattctatta	tttggtaaat	atcagtaaca	70560
taatataata	tttaaatttt	aaaataggat	atgaagaaaa	atgctacatg	cttacttttc	70620
ttttcctcta	tttttacttt	acacagggcc	agtgcctcag	tttcaatcca	ggtaaccttt	70680
aaatgaaact	tgcttaaaat	cttaggtcat	acacagaaga	gactccaatc	gacaagaagc	70740
tggaaaagaa	tgatgttgct	cttaaacac	ctacagaata	tcactataaa	cccggtaact	70800
gatttctata	agataacttt	ttacctatgc	caggacagat	ccaatagaat	attaattatc	70860
cattggggaga	cagggcaaga	ataaaagcca	gtgaacatat	ttaaagcacc	tactatgtaa	70920
tagagatggt	ggtgggtgct	gattacgaaa	cagctcttgt	cctctagtgg	aggaagaagt	70980

cacaatgata	atatgacgtg	atgaaacagt	gttatgaaca	gggaacgtct	gggtagagtg	71040
gagggaaatgc	caacttttgg	tgatggggagg	aggctcagct	aatcataaat	tgtagttttt	71100
aaaggaaaat	ggattttctta	ctctacaagt	ttttcatttt	cttttttaat	tagagctgtc	71160
catgagaagt	taatgtctcg	atctttccct	cagcctttca	aatactgctt	ggcccttgag	71220
cagggaaaat	gtcaaaagcc	aatggggaga	tggagagtgt	gaagtagtaa	gggtctcgtg	71280
cagttcaggc	aggtcctaga	atccctgaat	gactgttaatt	gctggaaatt	gccctgtaat	71340
cctgagcagt	aaagagcttg	ttttagtttt	atgtgggtgg	gagaatcttt	aggaatgtct	71400
agtttccacg	tatctgaagc	tgaatcctga	atcgaggtct	gaaaaaggac	agccactttt	71460
ttagtaaacc	gcctagaaga	ttcttgggca	aaaggaaggg	tgagaatcct	taaaatgagg	71520
ccctaaacca	gttttgtagg	tgtgtgtggg	ttcaagtttt	tgtcattttac	tttatagctg	71580
tatttccctt	ttccctaagt	tttaatgtca	ttgtgtaaga	atgaggtatc	gctgctgtat	71640
caagcaaagt	cagtttttagg	agaaatagcc	tttcagtggg	agtaagttta	aaaaagatga	71700
cttctgaag	cggaagcttg	tgagacattt	aagatgactt	tgcgcatggt	agagttaaaa	71760
acatcccaag	gttgtaaact	gatttctctg	aaagatctta	acaacaaca	caacaacaac	71820
aaactaggct	gcctgccacg	ggtgtctgaa	gtatcatctt	ggctcaagct	gggagaattg	71880
ataaaggtta	cactgttcat	ttctgccctt	cacacagaaa	agaagataat	tttataggta	71940
aaattcgtgc	atatcttgat	tctagcatat	tgctgattcc	tgtagtttct	ggggtcagta	72000
ctctcaacta	ttgaggtgga	acaaaaataa	gtagacttca	tttcttgagg	aaggggatct	72060
ggagaagtag	ttctgcgcta	gagcagaaaa	tgcttccagt	cttgtggcat	gggctggatg	72120
ctgttctgag	gataatgcat	ttccaaggga	gatatttttg	gcaaatagct	tttttttctt	72180
tcttttcaaa	attctctgtt	ttattatcag	ttctcacaaa	agagtcggaa	agggttagagg	72240
tagactgaac	tgaatggcaa	aaacattttg	cgctctcttt	acgtttcact	gctgtaaaat	72300
atttatagta	taaagggcct	gtattgcact	gaatttctct	catttgtagc	tagttgccct	72360
ttcaatgttc	caaaaaaaag	gctgtaaata	acttatttta	tttattcaat	taattttttt	72420
ttttaaattt	tttgagatat	agtttccctc	tggtcaccca	ggctggagtg	aaatgatgca	72480
atctcggctt	actgcaattt	ctgcctcccc	ggttcaagca	attctagtgc	ctcagcctcc	72540
tgagtagctg	ggactgcagg	cacgtgctac	catgccgggc	taatttttgt	gttttttagta	72600
gatatgggg	ttcacagtgt	tggccagcct	agtctcaaac	tcctgacctc	aggtgatgtg	72660
cccaccttga	cctccaaaag	tgctgggatt	acaggcgtga	ggcaccatgc	ctggccaact	72720
tagttattta	aagataatca	attagtatat	tttataagct	agacttagga	aaactgtttt	72780
cagctgggca	tgggtggctca	cacctgtaat	cccagcactt	tgggaggccg	aggcagggtg	72840
atcacgaggt	caggagtcca	agaccagcct	ggccaagatg	gcgaaactcc	gtctctactt	72900
aaaaatacaa	aacttagcca	ggcgtgatgg	cagcctcctg	taatcccagc	tactcgggag	72960
gctgaggcaa	gagaatcact	tgaacctggg	aggcggaggt	tgcagtgagc	cgagatgggt	73020
ccactgcact	ccagcctggg	tgacagagcg	agactccatc	tcaaaaaaaaa	aaaaaccccc	73080
cccacacaca	aaacctgttt	tcttgaatca	tggttgtttt	gttactgata	ggttcaataa	73140
gtaaatatat	ttattgtctg	ttgtattctt	tattaggcat	tataaacaca	ccgccacttt	73200
ttaattttta	tttcattaat	gtttccaatt	tttttttttt	tttttttttt	tttaagacag	73260
aggctcgctc	tgtcatccag	gctggagtgg	agtgggtcag	tcttacccca	ctgcaacctc	73320
cacctcctgg	gctcagcctt	gtaaatagct	gggactacag	gcatgcacca	ccatgcctgg	73380
ctaatttttg	tatttttttt	ggtaaagaca	gagttttgcc	atgtttctca	gtctgggtcaa	73440
gcactcctcc	cgctcgggcc	tcccaaagtg	ttgggattac	aggcatgagc	caccatgcct	73500
ggcctatttc	taatattttg	gtccacattg	gtgttagacc	aactgtccac	attaagtttt	73560
cttggaagag	atgaagtaaa	tattgcaact	ggcctatgta	tttttttccc	tatttagtat	73620
atttctttga	ctagttcaac	tgatagaatt	ccaagactta	aaaaagtcag	gctctaaggc	73680
tgggtccaga	ggctcatgcc	tgtaattcca	gcactgtggg	aggccaaggc	tagtggatca	73740
cttgagccca	ggagtccaag	accagcttga	gcaacatagt	gagaccttgt	ctctctataa	73800
aaatacaaaa	attaactggg	gattgtggcg	catgtctgta	gtcccagcta	tgaggaagag	73860
tgaggtggga	ggattgcttg	agcccaggag	gttgaggctg	cagtgaagctg	tgagtttgac	73920
actgtgcttc	attctgggtg	acagagcaag	aacctgttcc	aaaaataaaa	ataaaaagtc	73980
agagtccggg	tgctgcggct	catgcctgta	atcccagcac	tttgggaagc	cgaggcgaga	74040
ggtacacttg	aggtcaggag	ttcgagacca	gcctgactaa	cacagtgaag	ccccgtctct	74100
actaaaaata	caaaaattag	ccgggcatgg	tggcggtggc	ctgtaatccc	agctacatgg	74160
gaggttgagg	caggagaatc	acttgaaccc	gggaggtgga	ggttgtaatg	agccaagatt	74220
gcacaactgc	actgcatcct	gggcgacaga	gtgatacttc	atctcaaaaa	aaaaaaaaaga	74280

aaaaaaaaagt	taggcttcct	tttctgtttt	ttttttcttt	tttcttctct	tttttttttt	74340
ttttttaaga	gatggaggct	tgctctattg	cccatgctgg	agtgcagtgg	tgcaatctcg	74400
gctcactgcc	acctttgcct	cctgggttct	agcaattctc	ctgcctcagc	ctcccagagta	74460
gctgggacta	cagggcgaca	ccgccacgcc	ccgctaattg	ttcttttgta	ttttagtaga	74520
gacgggggtt	caccatgttg	gccagcctgg	tctcgaactc	ctgagctcag	gcaatccgcc	74580
cgctcggcc	tcccaaagtg	ctaggattat	aggcgtgaac	caccgtggct	ggccacttac	74640
ttttctttct	attgaatttg	aatgaataat	ttggaagaca	gtatctttac	ttcataccag	74700
gaatgctgcc	agtgaatttt	cttgtttggc	agttcattat	ctacctatat	atttaatttt	74760
gctattgttt	atagagtctt	taagatatga	ttaaatgcta	gctggttaag	aaatcattta	74820
gaaatgaaac	agaattgggt	gttactccaa	gttaataagt	tgcttgtaaa	cataaatcct	74880
acctggtacc	cagttttctt	aggaaccttg	cttccatggt	tatccttttc	tgcttagtat	74940
tctaagtact	ccttttttac	cttacaattt	agtcttaaaa	cacaacacag	tcaagtcttt	75000
cttttgtaac	ctgtgaggta	ccttctagcc	tttgtgctgt	ttttcttctt	tttttgctgc	75060
ctgccttctt	gactgagagt	ggatttcttc	actaaggctc	tgccctctga	tttttctctc	75120
tcttttcttt	tttgggttta	ctagtgaat	tttgtcttta	atgtctcttt	cttttatgtc	75180
tttaccgac	actcataaat	ttttttttcc	atatgtatcc	agttccaacc	tttcacctaa	75240
tgtgaacccc	caactctcag	ttgctcagcc	agcccttcaa	gactaggagt	tcaaaaccaa	75300
acttgcattt	tccttcccaa	accagctttc	ctcttgagct	tttctgcagc	aggatccttc	75360
tgctgtttta	cttttgccct	ctcccttggt	tcttagcacc	caatagttgg	aagatagtct	75420
gtcttcaaaa	ttttaacta	catttatgtc	caaaccagtg	gcttttctct	ttaaaaaat	75480
ttaaagataa	tatgtgcaaa	tcattttttt	aaaattcaaa	cagtatttaa	gagtttcagt	75540
gaaacatgca	ttttccttct	acctgggtac	ttagttttac	tccccaaggg	caatcacttt	75600
ttactgggtt	ttagaaatat	atccttctct	agatacttat	gaatatccaa	aagtgtgtgt	75660
gttggtgata	tcacctttta	tatatcctgt	ctctttacgt	gcatgcattt	taccgtataa	75720
actgttttct	acctgtcttt	ttctatttga	cctatttttg	aaatgtcatt	ttatttagaa	75780
cttcctcatt	tattttaaca	gctgcataat	tagcagtaaa	acttatgtaa	gcagtcctct	75840
gtgaagggct	gtgtcttttt	gcgattatat	ccggtgctat	agtgtacatc	cttggtgtgt	75900
catcttggtg	tgctgtgtgt	acgtatttct	gtaggataaa	tctgtaaaag	tggaatcact	75960
aggtcagagg	gtatgggtcca	ttttctttac	ttattttatt	tattttattt	ttcattttatt	76020
tttgagacag	agtcttgctc	tgctgcccag	gctggagtgc	agtggcatga	tcttggttta	76080
ctgcaagctc	cgctccccgg	gttcacacca	ttctctgccc	tcagcctccg	gagtagctgg	76140
gactacaggc	gcccgcacc	cacgcctggc	taattttttt	gtatttttag	tagagacggg	76200
gtttcacat	gttagccagg	atggctctga	tctctgacc	tcgtgatcca	cccatctcag	76260
ccttcccaa	tggtgggtg	acaggtgtga	gccaccgcgc	ccggcccat	tttattatct	76320
ttatttgctt	ggatccttct	tagcttcttc	aatgtttaa	atattgacag	ttttcctctt	76380
actgaaattt	ataaatccat	tgactccctt	gatattattg	ccctggcctg	actgattctt	76440
ctctctcctt	tctcttctca	ccccatgttg	aggtcccca	ggtcacaccc	agttttgatg	76500
actcaccagc	atagagtgtg	acttggtgct	atgatttatt	gcggtgaaag	gatatagagc	76560
aaaattgcaa	acggaaaggc	acctgggggtg	aattccaggg	gaaatccagt	gcaagttcca	76620
aggtcgcctc	ccagtggagt	cacataggat	gtgcttacat	cctccagcaa	ggagtgtgta	76680
caacacttgt	gaaatgtgga	ctgccaggga	agctcatcag	agcctcagtg	cctagggttt	76740
ttactggagg	ctggtcacat	aagcaccctc	acacatatca	aaaaattctg	gtcccccaga	76800
aggaaagcag	gtgttttagca	taaccatatt	atttgcatga	acagttcagg	tacaggaaat	76860
ccccgttacc	agttagggtg	gtgggtgccc	ttctcaaatc	ccaagttccc	agacaccagc	76920
caggggcctg	cctcgtaagg	aggcctttcc	aggacagcag	tcaggcctgc	caatgttaat	76980
tcttttctgc	atacctccta	atttttagaaa	ccaccgagcc	tttgctgcct	gacctgtcct	77040
gcttttcgat	ttctttatct	actttgatat	ctttacaaat	gatctttacc	ctgactttta	77100
aatgtgtgct	ctggccattc	acctagcgtg	tggttctgag	tctccaagtc	ttagcagatt	77160
tgctctcaga	tgctctgcc	acgcttcaca	caaagtatta	caaactaaac	tcgtcatctt	77220
cctctgaaa	cctgtctccc	aggccaggcg	cggtggctca	cacttgtaat	cccagtaact	77280
tgggaggccg	agggtgggtg	atcacctgag	gtcaggagtt	cgagaccagc	ctggccaact	77340
tggtaaaacc	ccatctctac	gaaaaataca	aaaaaattag	ccaggcgtgg	tggcaggcac	77400
ctgtaatccc	agctattcag	gaggctgagg	caggagaatc	gcttgaaccc	gggaggcgga	77460
gattgcagta	agccgagatc	acgccattgc	actccagcct	gggcaacaaa	agtgaactc	77520
catctcaaga	aaaacaaaaa	acaaaaaaca	aaaaacctgt	tttctcccca	gctttgtcat	77580

gtatttagtg	gccttatgta	gacagtttcc	tttgaacat	ctcttggact	tctctgctct	77640
tccagggcca	ttgccaccga	cctggaatgt	gtccttatcg	tttcacgcca	ggcttatggc	77700
agcagtcagt	cacccagatg	acctcctgac	ctctggctta	tttcaccccc	actggactgt	77760
tgttcctaaa	cacttctttc	gtatgtcact	ctaaaatctg	accctggctg	tacctttctt	77820
taactactcc	ctgactgcgt	gctgagagaa	gatgggtctt	gtcttttcct	gcctctctgc	77880
ttttgtaaac	tgccattttc	acctgaagtg	gcaactgaaa	tcatactctc	ttcataaact	77940
gtctttggct	acctcagtta	gaattcctta	tcccatTTTT	ctgaagcatt	tctttgactc	78000
ttctttactg	ctccccacc	cttttttttt	tctttgagac	tgaattttgc	ttgttgccca	78060
ggctggagtg	caatggcccc	atctcggtc	attgcaacct	ccgcctcctg	ggttcaagtg	78120
attctcctgc	ctcagcctcc	tgagtagctg	ggattacagt	catgtgccac	catgcccggc	78180
taattttgta	tttttagtag	agatggggtt	tctccacgtt	ggtcaggctg	gtcttcaact	78240
cccaacctca	agtgatctgc	ccaccttcgc	ctcccaaaat	gctgggatta	cagggtgttag	78300
ccactgcgcc	tgacccccat	tttttttttt	tttaaagatg	ttgaattggt	cagggtttgt	78360
agttacaagc	aacagaagcc	aactctttaa	gcagaaaagg	aatttgctaa	atgatagtgc	78420
agagtctca	gaatctctag	caggatgaag	aaccaggctt	ggagaatagg	tagccacaga	78480
tacacaagca	tactgttaga	cggttcccat	gaagaggcat	ctgttgtcac	cactggacac	78540
agatggtact	gtgtctctgc	tactctacca	atgccactgc	tgtctctgac	cccagatgta	78600
gctccctctg	accctggatg	cagctccctc	tgaccctgga	tgacgtccc	tctgaccctc	78660
gatatagctg	cccctgacct	cggatgtagc	tgcttttgac	cccagatgta	gctttctcca	78720
aaccagata	tagcggctgc	ccccttgcca	gagtgaatac	tgcgctcattg	tggcttcttc	78780
ttgtcactgg	ttcttactta	aaagctgagc	tggaagtctt	aatgggcagt	tttgtcacct	78840
gctcttacct	tggtgcagtc	tagatgaggt	ctaattgtca	taagctaggg	gattttcaga	78900
tatggaaagg	gataccaatt	ttcagcagcc	aaatagagta	tcacattttc	actccatgtt	78960
tctggggtgt	ctgttatgtt	tctggggtgt	ctgactctta	ggcttctttc	aagctgcagt	79020
ctgcctaata	gagagccttg	catttaatat	tcaaaaaggc	aaagcaatat	gaatcagcaa	79080
gggtgttttg	gcaaataaca	gcaaacctga	ctgtggcgta	agcttgtggt	attgtctcca	79140
gtgtgatcag	atctgtatTT	taatttttta	aatgtaaatt	aataatgatc	tgtgaatcac	79200
caaagtagct	tggagtagcc	tagaaaacaa	tgtatgtcct	ccgttttcac	agaagccaca	79260
tagtcgtggg	ttaaagttagt	cagcggcagg	gcactgtgtc	tcatagttaa	aaaaaaaaaa	79320
aagtattact	gaagtaatgc	aggatctttt	ctgaagtaga	aggcatgatg	aaccagaaaa	79380
actaaagcag	caagtggcca	ccgttcttag	catagtgttt	tctcaaaactg	gaacaacctt	79440
taaacagttg	tgaacaaggt	attagaagtg	atgggggccc	ggtgcggtag	cttctcccaa	79500
agctcattac	ctcccaaagc	aaccacagta	ctttgggagg	atcactttga	gcccaggagt	79560
tccagaccag	cccgcccaac	atggcaaaac	cccatctctc	taaaactaca	aaaaatttagc	79620
tgggcatggt	ggcacatgcc	tgtagtccca	gctacttgga	tggctgaggc	aggagaatcg	79680
cttgaaccgg	gaggcagagg	ttgcagttag	ctgagatcac	gccactgcac	tctagcctgg	79740
gggacagagt	gagtctctgt	ctcaaaaaaa	aaaaaaaaaa	aaaaaagtga	tgggaataga	79800
ttgttttgct	tcaaaaagct	ctttccaaca	ctaaaatgaa	acataataat	aaaaatatTT	79860
ttctggctat	aaaaatatcg	atgcttatta	tagacatctg	caaagtatga	aaatatatga	79920
agaaaaaaat	taaaatgcc	tcacccccca	tgaaaactat	tgttatcatt	tttgtctgat	79980
ttcttttagtg	tttctctttt	tcttttttta	atttttaatt	tttttgagta	tgtagtatgt	80040
atatctatTT	atggggtata	tggcatatTT	tgatacagga	tacagtgtgt	attagcaagg	80100
ttttcttttt	aatgtttata	tttatttagt	tgagatcata	ctatatatgg	ctctatagat	80160
tactttctct	tatattacta	acatttgtgt	tattaaatat	tctgcataaa	gataatttta	80220
agatgaaatt	tgatgttata	aaaacttctc	attttattaa	gagattaacg	ctatgaaacc	80280
tgctgctata	tattcttgga	accagctgtg	acccaaaaga	tcaatgtagg	gatgtaggct	80340
cttccccatt	ctctacacac	aaaatcagat	actctgatgt	gcagctgtag	ccccagtcta	80400
cactgtctgt	tgtatttttt	gttttctggg	gtcacgtgcc	tcccacctg	ctcctagcaa	80460
ttgccatgac	aacaaataga	taattggctt	ccgtaatttc	tcactctatt	gcctaaggca	80520
acagagagct	tgtgggctca	gcttgcggtt	cagcagctgc	tttgttgctt	ctcctctgta	80580
tgtgtgaggc	ctgccagagc	ccactttcca	gacaggtgag	agttcattca	ttcaccatgc	80640
agttaccgat	cgtctcttga	cctgtgtcct	ggggaggtaa	aggtgacgag	ccagttctgc	80700
ccctagcagc	tcacagctca	ggcaaaagcta	cattgcaaca	aacagaatcc	aaagtgcctat	80760
catgaaccct	ctgagagggg	ctgactcagc	agcccaggga	gcttgaagaa	ggctccacag	80820
aggaggctgt	gcctcaaggc	gatttcgggt	taggagccac	caatttataa	ccacttttct	80880

gtggcccgtc	ttatTTTTatt	tcttatttct	tgacaatcag	aagtaccttg	ggtaggtttt	80940
accatgcaca	tcgtaatttg	agtgaagctta	gtgtgaggct	taacgggtgtg	tgggctgtac	81000
atcctgggtca	gatgctccag	atggaggcag	atgggtgtga	tgcaggagag	gcagccacat	81060
agcacagggtc	cccagccagt	ggactgggaa	gacagtgtag	tcatctctgg	ggaaggggaa	81120
tgacaagatc	tggcagtgtg	gcaggctcca	gaaaaaaaagg	gctgggttct	gggcagtgtg	81180
ggtgcagggtt	gagacctgaa	tactgggtgg	agccagctgt	cagagtccac	gcctgcagac	81240
tggactgggtc	cacggcagggt	ggatgccatg	tcttgaagac	ccacaggcac	ccactcatcc	81300
tcatgatcat	gcagttctct	ggtttctaac	agtgcagtct	gggttgagct	ctgggaggtcc	81360
agcagagaag	agcaggccct	ggaatcccag	gtgtgggggc	gtggcttaac	gtggagtttc	81420
cttcagaggc	agtgaagtgt	tgtcattgtc	tccgtcagca	ttggcttttg	gcctagtgtg	81480
gcctcgaacc	ttctgttggg	atcagcagtg	gaacagtagg	aaaaggaatg	agtagacatg	81540
gcattgcaac	aagtcttttt	tttttttct	gttagaatta	tcatattaag	cagaagtttt	81600
gcttcacaaa	ctctcagcca	aatacaaaat	actatgaata	gtatttacct	tgtgtctctt	81660
tccaaagaac	tcatagtggg	ttgcagctat	tgcagatc	ctggccatgc	ggtatgcggt	81720
tctttttttt	tgtttttttt	ttttttttga	gacggagcct	tgtctgtctg	cccaggctgg	81780
agcatagtgg	cgcgatctcg	gctcactgca	agctccgct	cccgggttcg	tgccattctc	81840
ctgcctcagc	ctcccagta	gctgggacta	caggcgcccc	ccaccacacc	cggctaattt	81900
ttgtattttt	agtagagacg	gggtttcacc	gtgttagcca	ggatgggtctc	gatctcctga	81960
cctcgtgatc	ctcctgcctc	ggcctcccaa	agtgcctggga	ttacaggcgt	gagccaccgc	82020
gcccggccgc	agttcctttt	tatagctgtt	tgaataggaa	agatgacttg	gaaaatgctg	82080
gattctgaga	tttatgtgca	gccttaaaaa	gtgtagtttt	tctctatcaa	taatgagtgt	82140
gggttgtaat	tgcttagtaa	gtaattttgt	ttatgtaaac	gtacatttgt	taaatttttt	82200
ttcttaggta	atcccgtatg	ttggcaccat	tcccgatcag	ctggatcctg	gaactttgat	82260
tgtgatatgt	gggcatgttc	ctagtgcgc	agacaggtaa	aatcactgtg	ctaaaggaag	82320
gagcatgaat	aggctgtcct	tttgtgattg	tggaaatgata	acagagtaag	gcgggagaga	82380
ccatttgata	ctctgaggcc	caattagctt	tcatcagcag	ccctggccaa	ggtgctgagg	82440
agattggaat	gaatgactaa	ataaagggtta	ttgggattta	tttcattgct	gtaagtctga	82500
tttcagtata	aaaaaattag	aactatcagc	tggatgtggt	gacttacaca	tacttttcca	82560
gcactttggg	aggccaaggc	gggaggattg	tttgaggcca	ggagtctcag	accagcctgg	82620
gcaacatagt	gagacccccc	ccatctgtta	aaaaaaaaaa	aaaaattaaa	aattaactgg	82680
gcttggtggt	gtgcgcctgt	agttgtagct	actcaggggg	ctgaggtagg	aggatccctt	82740
gagcccagga	gtttgagggt	gcagtgcgc	gtgatggagc	cactgcacta	tagcctgggt	82800
gacaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaagaaaga	aaaagaatta	ggtatgtcat	82860
taaaagaagg	aattgtggtc	agatgcagg	gagagtctag	ttttagtctg	acattcccac	82920
agcatcacag	atctagtcca	gatggtttta	ctgaatactt	gctttggata	caagctgtgg	82980
tatcattagt	gttgggctca	gctctgtgta	cctaacacct	gaagagcagt	ggtttaagat	83040
gtgaaaatta	agtctcaagg	agacagccca	ggccttttca	gttaactcct	tcaagtctgt	83100
agagaagtag	actccttcca	gcttaccact	ctgctatctt	gaggggtgagg	tgaggtcccc	83160
tttcccatta	tccttggcag	ctagatttcc	agccctcact	tctgtgcttt	gggtagctgg	83220
atgggtgcat	gtggtgtttg	cggggaaaca	gagctggaca	aaaggcaagt	gcttgcctgac	83280
ttttaaggca	gtttctagta	gccttccctg	agcacttcac	ttccatctta	tcagcagagc	83340
tttagctgca	caggcaggcc	tagctgcgag	ggaggctggg	aaaggtaggt	ttttattctg	83400
ggcagattca	gaccagttc	aaactcagg	gctattttac	tgagggaagac	agaaaagatt	83460
agacagtcag	ctctttaggc	ctcatagtga	atgaatgagg	agggattggt	cagtcccttg	83520
tactggggcc	tggagtgtag	tgctgtctgg	gcctttactg	gtggctttcc	tttctgagca	83580
ctcatgaggc	ccctgtgtct	tccctcatat	agattccagg	tggatctgca	gaatggcagc	83640
agtgtgaaac	ctcgagccga	tgtggccttt	catttcaatc	ctcgtttcaa	aagggccggc	83700
tgcattgttt	gcaatacttt	gataaatgaa	aaatggggac	gggaagagat	cacctatgac	83760
acgcctttca	aaagagaaaa	gtcttttgag	atcgtgatta	tgggtctaaa	ggacaaattc	83820
caggtaggtt	ttggagaggg	acaggttgag	tcctcattag	tgagcaggag	tgacagggg	83880
ggcctttc	atttgtgagc	ccagccttgt	atttcctaca	cctgagatat	agtttggctt	83940
tgtagtcttt	ctccataaaa	ggaccaggaa	ggcacctaaa	tatgaggggg	tggcaccact	84000
actctccagc	cagtgtgtgc	catgcagaaa	tatggtccac	tgtgactaga	tctttttatt	84060
agatcctatt	tctcctagca	gggctgagtt	ctgaattgac	acagtattat	gttcatgatg	84120
ggagggttaag	ttataatata	accgtcacca	cctgaagaac	taacaagggc	aatcccagca	84180

tagaaatcag	aagggtttttg	taaattcaag	tcttgccaca	agacagttct	gtaggatcat	84240
gagattttta	gacccagagg	acatcctaga	aatccttgat	gtcagttcca	tctctggctt	84300
catggagtgt	cttataccta	gcgcgcgtgt	gtatgggtga	atttggtccc	agaagctctt	84360
acacctgctg	gccctctggc	ctgtggagct	ttcccacagt	agaggtttgt	accaacgtga	84420
gagaagactc	acatgcctct	ggcacagatc	ctttctgatc	ttcgggatac	tgctcctgcc	84480
cgaaagtctt	tctgaatctc	ccaaactcca	ttcacctctc	ccttctctgg	ccttttgagc	84540
ccgtgtctgt	atcattcttt	ttcacagttt	ttaacagttg	tgctttggct	ttatgtgttt	84600
attttgccctc	cacaatggga	tttaaagctc	ccttgagtcag	agactatatt	gtatgctgct	84660
cgcgttttct	gcctataacc	taacgtggta	cctggcattt	gagagggagg	gagggaggag	84720
gctcgtagcg	tgccgaggac	ctgcagaagc	tactttctcg	tcactcttact	gtagtctgtt	84780
gaggtagaga	ttgttcctac	ttcagaataa	gaaaaccgaa	ttcaaataatg	ttgggtaact	84840
tgtccatatt	aatttattta	gcaaatacaa	cagattttga	gtgtctgcca	catgggtggt	84900
ctccaggggac	agtgttgtgg	ggagctcgca	ggcagatctt	taacctgggt	tcacaatctc	84960
cagggcacct	gtgcctgggc	ttccaggcga	ccttcgaacc	cagatgtctc	acatgatagc	85020
agaggcgcac	acaagcacac	gcacataatc	ttatgactgc	ctgtttgtct	ggggagagac	85080
agttcctggt	gcttaatcaa	atcaggaact	caaaagaagt	tcggaagcac	tgctggtgtt	85140
ttgggtgctt	tcggttacca	tttggctacg	tgtgtggaga	cctgtgggaa	caggtataaa	85200
attggacgca	aggaaacatt	taaatttgga	taataagtta	atttattaac	tgtttttttt	85260
tggtggcggg	ggggctctgt	cttctgtatc	tctctaggtg	gctgtaaatg	gaaaacatac	85320
tctgctctat	ggccacagga	tcggcccaga	gaaaatagac	actctgggca	tttatggcaa	85380
agtgaatatt	cactcaattg	gttttagctt	cagctcgggtg	agtgccttc	cacagcttgg	85440
ggtcttttat	gaggatgggt	tctgatgaga	tggtagaaaa	aatcttcaaa	taacacttct	85500
attgacataa	aaaggacgta	tctccctgac	tgtagtatta	attttttgga	agtgaactgt	85560
tcacactagc	agaaggctgt	ttatcagcca	gggcttcatt	gtctgtagga	tctcaaacct	85620
agtgtggttt	taataaaaaca	cacacagttt	ttagctgggt	agcagctatt	tcctttgcat	85680
gggcataaaa	tggagtattt	ctgtaagaca	ggttcctagg	ctgggagtgt	ctgagtcaaa	85740
gagcacagtc	atgtgttgca	taaggacagt	tcagtcaaag	atgaaccgca	tatacaaccg	85800
tggtcccata	agattgtcat	atactgtatt	tttaccatac	cttttctatg	tttaggtaag	85860
tttatatgca	caaatactta	ccatcctgct	ctggttgccct	acagtatttg	gtacagtgcc	85920
tgctgtacag	attcactggc	caggagctat	aggccacacc	ctacagccta	ggtgtgtagt	85980
tggcagtacc	atctaagggt	gttaagtaat	attctgtgat	gtttgcacga	tgacaaaagt	86040
catgtaagga	cacatttctc	agaacatacc	cccttcgtta	agcaacacat	gactgtcttt	86100
gcattgaaaa	ttttgataga	tactaactcg	cccttcacaa	gggtaaaaaac	agtttgact	86160
ctcaacagcc	atgctccac	cttcttggtg	acattacatc	ttattctctg	taatgtttgc	86220
caatctgatg	ggggcgga	aggaccccag	tgtcaagtat	atttttggat	catagttttc	86280
aagcatattt	ttagtaccat	ttataatttt	tttatatgtc	aaacagggtta	tatatagaaa	86340
atatttttcta	ctggatgtta	caaattaatc	tttattatct	tttctcagga	cttacaaagt	86400
acccaagcat	ctagtctgga	actgacagag	ataagtagag	aaaatgtaaa	tattaaatct	86460
tttaatgagc	cactggttta	aaaatgttgt	tttagctgcc	atgttaatga	aattggcaaga	86520
aggctgggtt	tttgaaaatt	atgcttttag	aacgcaagta	atcacttgaa	aattgagata	86580
catacttggtg	gtgccaggca	cgcagtaagt	ttttgctgat	gattcacctg	tcagtttctg	86640
taactgccac	tcactgttct	tatgtaaaaa	gcactctctc	actcttaact	gctgaatagt	86700
actgttctgg	ggtatttcca	aatattgaac	atcagccagt	gcactggcaa	atgaacttcc	86760
atgtgtatct	tcaacccctg	ggagaataac	tgcaatttaa	aaatgcgctg	ttattaatgg	86820
agaaagtgag	gtcttaccga	ctggcacgtt	cacacctcac	agacagaata	gaatcttagc	86880
attctggggg	caccctggaa	aggacaacta	agacacgttt	gaagtctcatg	tagtgctggg	86940
tgaaggtggt	ggctcaggcc	tgtagtccca	gcgctttggc	tgaggtgggg	ggattgcttg	87000
agcctaggag	tttgagatca	gcctgggcca	catagggaga	accccatctc	tacaaaaaat	87060
taaaaaatta	tctgggcatg	gtggcgcatg	gctgtgatcc	cagctttggg	tggtgaagt	87120
aggcgatga	cttgagccca	ggaggttgag	gctgcagtga	gccatgattg	agccactgca	87180
tcccagtgtg	gatgacagag	taagaccctg	tctcttaaaa	aaatttcata	tagttctatg	87240
aaaaattatt	aatttatggg	ggaggataaa	ggactcagat	gaacagggat	atcagactct	87300
cttctcaacc	cgtgtatgct	ttcacaacac	cataccattc	cgtcataaag	caccagctgc	87360
ctggaggtca	caccagagtg	gagcaggaac	atcccaggct	ccggccaggc	tcagctcagc	87420
acaaccaaga	cttcagatta	taaactataa	ttcttccctt	tctaacattg	ttgtgttttg	87480

tttcttttcc	aataggttcc	aaagtctggc	acgccccagc	ttgtgagtat	ttttgcttgg	87540
gttattttcat	gtggaatatt	ttataaagtt	gcatagaaaa	tgaacagttt	aaaccgtgga	87600
gggcagcttc	attcattcca	ttccttactg	tagaactggt	tccctacagc	ctagtaatat	87660
aggaggagac	atttctaaaa	tcgcacccag	aactgtctac	accaagagca	aagattcgac	87720
tgtcaatcac	actttgactt	gcaccaaagt	accacctatg	aactatgtgt	caaaggtttg	87780
aagagcccca	aattttctta	actctgtata	aaaattaagt	tgtaatgagc	tgttacgagt	87840
aacctgtatc	cacaatagaa	gccccaaagc	gccccctctg	catttggtgtg	ccgtccctgg	87900
atggattcga	gagtcaacca	ggcctgcctc	tgagccattc	ctgtgtattt	cctcagcacc	87960
tccctgcttg	gctgcttccc	cttcaggcag	aacacagtac	tgctcagac	cccaggcaca	88020
gggggccttc	ctggcgtggt	tcactcatac	agagggcatc	gggtcccacc	ctgtcactca	88080
tttcatcgtc	taaaatgtaa	tcatgagtg	ttgcttcgag	ccagggacag	tgctgctgca	88140
ggggacccag	ctgggaccaa	ggcagactgt	ctctccccctc	ctgggattta	cagggtcatg	88200
gctctgaaac	attctgtagt	gttcttttga	cacgagtttt	ccctggagat	cgctttctgc	88260
aggcctcttg	gtcctgactg	tggtctcttt	tcagagcctg	ccattcgctg	caaggttgaa	88320
cacccccatg	ggccttgga	gaactgtcgt	cgttaaagga	gaagtgaatg	caaagtccaa	88380
aaggtcagta	tccttcggtg	ccagtcacag	tcagataact	tcctgcctg	ttaccgcctt	88440
ctaccctgta	acggtcctgt	gagctggaag	tagggctagt	gtcagaatct	tcatttccaa	88500
agtgagatga	ttcaagcagg	aggtggttag	attgtgaaca	gccagtgggc	agcagagccg	88560
actaaggccg	tggtctgacc	tcggcttttt	ctggccagac	aagagagtag	catttttgtc	88620
cacgaggcct	atccttgctt	tgtagaactc	cagagcagcc	ccgtaagatc	aggcaacatc	88680
ttttcttttt	ttttttgaga	tggagcctca	ctgtgtcacc	caggctggag	tgcatgttca	88740
caatcccagc	acaccacaac	ctccgcttcc	tggtgttcca	agccattctc	ctacctcagc	88800
ctctggagta	gctgggatta	caggcgcacc	accacgcccc	gctacttttt	gaatttttgt	88860
attttttagta	gagacagggg	ttcaccatgt	tgccagggct	ggctctggaac	tcctgacctc	88920
aagtgatccg	cccacttcgc	cctcccagtg	ctgggattac	aggtgtgagt	cgccacgccc	88980
agcccaggca	acatttttta	gggccccctc	tgctcatgtg	tttagaaaat	ttctgcttta	89040
acaacttttt	ccacagacgt	ccagccttct	gaaagcttga	aattagagct	atttcctaga	89100
aagtggcata	ctttcaagaa	ggaaggaaca	cgggtagatg	atgaaaagag	aataacctgt	89160
tgagaggatc	ccaggctcct	gcagcctgaa	gtagtcattc	agtttagcgt	taaaccttcc	89220
atttctgtcc	aaccacatct	cagcctcaat	gctgatttta	aaggggtttt	ttttttcgta	89280
tttttatttt	gcaagtaacg	aattagtggg	atgctgactg	ggtttaaaat	ttcaacttca	89340
cctgcattcc	catgtccatg	tggatacgtg	tgtttcatag	agttagaatc	atagttcaag	89400
tctggtcact	aacattgtcg	aaattgccac	tacttggttc	taattgggta	attaagggtt	89460
tttttttctt	tcctttctcaa	aagctttaat	gttgacctac	tagcaggaaa	atcaaaggat	89520
attgctctac	acttgaaccc	acgcctgaat	attaaagcat	ttgtaagaaa	ttcttttctt	89580
caggagtcct	ggggagaaga	agagagaaat	attacctctt	tcccatttag	tcctgggatg	89640
tactttgagg	tgagggtcca	gtttttgaaa	atgggacagc	aataagaatc	ctgggagcag	89700
gggtgggata	agtgggtccat	ttaaatcaag	tcctaactca	gtatgtggag	gttgtgtatg	89760
ttttttgttt	acttgagatg	tgtaatttgc	cccttctctt	ttataacgtg	ggcaatcagt	89820
ataaatggca	aagccagtag	agtgtcaaat	tatgcacatt	ggaattgaca	tttgtcatca	89880
tattaaaatt	cctgtgtagc	cccatattga	taggaattta	accaggaagc	ttgtctcagg	89940
actggagtca	cacatttaat	catataagca	gacttgagga	ctggagaccc	taaaactgct	90000
tgcttgcact	ggccatcatc	tcccatcagg	gtaggtggca	gtcctttctc	ctaaggagtt	90060
agtcttggtt	atatgtattc	aaggaaaaat	acatcagtc	cttggaacta	aaaggcatgc	90120
agtcctgagt	ccccagatag	gtgaatattg	taacacatac	ctttcccga	atatgtttct	90180
gggatgctga	gcagagaata	gtctccttgt	gatgtggatg	ccgggtgttt	ggccagcctc	90240
aatcaccagc	tcagggtgcca	ctgcctcaca	cagtcactta	gggtcatttg	tttaggttat	90300
cattctacag	catttttaac	tgacacattg	tctggaccat	gtgggttctt	gaggactcat	90360
caaaacccgt	tactaaaagc	atgaatatca	ggcgaaatag	atagcaatgt	gacattcgta	90420
tttatcccta	agttccagtc	taatgcagtg	ccctgggatg	tggagtgtag	acagatgtgg	90480
gctaactcatg	gaaggttccc	tggaaagtgt	ggatatttgt	ttcgaattca	gaaagctggg	90540
aaggatgtgg	aaggctgaag	gttggtcttt	ctagatttag	ggcatgattt	gaacaagtc	90600
ttagaggtgg	gaagggcagc	acagggttgt	tggcttggca	agagtcaagg	tgcaaagggt	90660
gacttggggg	tcactggagg	gaaacagaga	tgagtgtctc	agaaggaagt	tgagccttgt	90720
ggtgggtgac	aggaaaccaa	tgatgtaact	tgtttttgac	ctatctgggc	cccaagtttg	90780

gatctgctat	attaatataa	aaaaggataa	taatgataca	ttcaaataat	gctgaaaaat	90840
actaagatga	aaatacctcc	aacttcgtaa	ttcaaaccat	accattagga	ttagggtgaac	90900
cacattccag	gcgttttttt	gcagagacag	tgaaggggat	ggctggctga	aggaatgaat	90960
agatgaatgt	tatatgcttt	tgaacaatcg	tcttttccat	ttaattttct	aattcaggag	91020
cagtaattat	ccttggtgtg	atcactgctg	acgattttct	atactgatag	gtcctttccg	91080
ggggcttcca	tctcttgcc	tttaaatatg	cttgcatgta	gattatctca	ggcttttcca	91140
ttatgccatt	actttcattt	taaatcttct	tgctctttca	aatacacttt	agttgtatct	91200
acagtgtttt	aaaaacaatc	tcattcagtg	ttgtaatttc	atctgtgggc	tcttcctctg	91260
gatgaaatcc	gtgttcctcc	cagctgttcg	gcagcatcag	atgggtgtga	gggattctgt	91320
tgttctgttt	tcttctaggg	aaaggatgtg	ccttcttttc	atgtgcagta	gtctgtctac	91380
ccggaagcat	gtcatttctt	tgccacttgc	ttgtaattca	ctggctttgc	acttgctctg	91440
atacagtaca	ggtaactaat	tgactccctc	tgctgccaac	ttgggttttc	ttctgagcta	91500
tagcatcagg	ctgtgtgttt	tgtgttttct	tgagattttg	ttaaatatat	ctgggggtccc	91560
ttctacctgg	ttggaactgg	gattcccacc	attcttgtgg	ggatagaatc	tcagggttaca	91620
cctatttccc	caatcctctg	tagccacaga	agcttcatct	tgccagctc	tgttatcaga	91680
gtgcagact	tgggtgaaa	ttcctcccc	ttcctgattt	tccttgacag	tcctttccac	91740
tgctcctatc	aatcaaaaga	atgaaaaccc	tcaacttgct	gctttgcaga	ttcagggtttt	91800
gtgcttcttt	ctggcctctc	gggggtgggc	cgggttagca	gcaaggctga	gctgcccctc	91860
tttcttctga	agccttcatg	ggggcgagga	gcacaggag	agctcagtgc	agggcctccc	91920
agtggccttc	tcagagtggg	tggaaaccca	gcctggcact	ggcagcgtgg	caccagaagt	91980
atgaagtgtg	ggtgtaaagg	tgatgtaaaa	ggctagtagg	ttttttggtt	tttcattggt	92040
tgagttttgg	gcatagatga	ctgtgaaggg	cgaacactgc	cgatggatct	gaatgaattt	92100
gtagtatgtg	caccacttcc	aacttacggg	ataccagct	ttgacggctt	tggacaaaca	92160
cactgaggcc	aagatgtgct	gagcttatca	ggatcaggat	caccaagcag	ctgtaaaaac	92220
cctagcaagt	gccttaagct	gctgaaattt	catattaatt	gtctggtttg	ttcatgggtc	92280
tagagtttga	ggcagaaaag	tcaggatcca	agtccttggg	ttccaggcta	cagctggaaa	92340
cagcatctcg	gtgaactaaa	gcaaccatat	taggagtttt	cctgctttag	gagagtcccc	92400
agcatcggcg	aggagggggc	agcactctgg	ctttccagga	gcaaggggca	ggatgcggcc	92460
gagggagagg	ggctgtgttg	aggaaaggag	ggccgcaggc	cctgggggatg	gtgtgaggct	92520
ccaaacatgt	ccgagtcact	tccttgggtg	ggatgaggca	gacagtgcca	ccaccaggga	92580
cactttagtt	agattagggg	cttggaagtc	acagaaggaa	gtcagcagca	gcaggctgga	92640
acttttctat	gtataatcaa	atgggttact	ctgacaccgt	tagcatgtaa	caaacacaaa	92700
attttaaaact	aaggggaacc	actaatggca	tgtttccttt	cctttcagat	gataatttac	92760
tgtgatgtta	gagaattcaa	ggttgacgta	aatggcgctac	acagcctgga	gtacaaacac	92820
agattttaag	agctcagcag	tattgacacg	ctggaaaatta	atggagacat	ccacttactg	92880
gaagtaagga	gctggtagcc	tacctacaca	gctgctacaa	aaaccaaatt	acagaatggc	92940
ttctgtgata	ctggccttgc	tgaacgcac	ctcactgtca	ttctattggt	tatattgtta	93000
aatgagctt	gtgcaccatt	agatcctgct	gggtgttctc	agtccttgcc	atgaagtatg	93060
gtgggtgtcta	gcactgaatg	gggaaactgg	gggcagcaac	acttatagcc	agttaaagcc	93120
actctgccct	ctctcctact	ttggctgact	cttcaagaat	gccattcaac	aagtatttat	93180
ggagtaccta	ctataatata	gtagctaaca	tgtattgagc	acagattttt	tttggtaaaa	93240
ctgtgaggag	ctaggatata	tacttggtga	aacaaaccag	tatgttccct	gttctcttga	93300
gcttcgactc	ttctgtgctc	tattgctgcg	cactgctttt	tctacaggca	ttacatcaac	93360
tcctaagggg	tcctctggga	ttagttaagc	agctattaaa	tcacccgaag	acactaattt	93420
acagaagaca	caactccttc	cccagtgatc	actgtcataa	ccagtgtctc	accgtatccc	93480
atcactgagg	actgatgttg	actgacatca	ttttatcgta	ataaacatgt	ggctctatta	93540
gctgcaagct	ttaccaagta	attggcatga	catctgagca	cagaaattaa	ggcaaaaaac	93600
caaagcaaaa	caaatacatg	gtgctgaaat	taacttgatg	ccaagcccaa	ggcagctgat	93660
ttctgtgtat	ttgaacttag	ggcaaatcag	agtctacaca	gacgcctaca	gaaagtttca	93720
ggaagaggca	agatgcattc	aatttgaaa	atatttatgg	gcaacaaagt	aaggtcagga	93780
ttagacttca	ggcattcata	aggcaggcac	tatcagaaa	tgtacgccaa	ctaagggacc	93840
cacaaagcag	gcagaggtaa	tgcagaaatc	tgttttgttc	ccatgaaatc	accaatcaag	93900
gcctccgttc	ttctaaagat	tagtccatca	tcattagcaa	ctgagatcaa	agcactcttc	93960
cactttacgt	gattaaaaatc	aaacctgtat	cagcaagtta	aatgggtcca	tttctgtgat	94020
ttttctatta	tttgagggga	gttggcagaa	gttccatgta	tatgggatct	ttacagggtca	94080

gatcttggtta	caggaaat	caaaggtttg	ggagtgggga	gggaaaaaag	ctcagtcagt	94140
gaggatcatt	ttatcacatt	agactggggc	agaactctgc	caggatttag	gaatattttc	94200
agaacagatt	ttagatatta	tttctatcca	tatattgaaa	agaataccat	tgtcaatctt	94260
atTTTTTTaa	aagtactcag	tgtagaaatt	gctagccctt	aattcttttc	cagcttttca	94320
tattaatgta	tgcagagtct	caccaagctc	aaagacactg	gttgggggtg	gagggtgcca	94380
cagggaaagc	tgtagaaggc	aagaagactc	gagaatcccc	cagagttatt	tttctccata	94440
aagaccatca	gagtgcctaa	ctgagctgtt	ggagactgtg	aggcatttag	gaaaaaaata	94500
gccactcac	atcattcctt	gtaagtctta	agttcatttt	cattttacgt	ggaggaaaaa	94560
aattttaaaaa	gctatttagta	tttattaatg	aattttactg	agacatttct	tagaaatatg	94620
cacttctata	ctagcaagct	ctgtctctaa	aatgcaagtt	ggccttttgc	ttgccacatt	94680
tctgcattaa	acttctatat	tagcttcaaa	ggcttttaaa	ctcaatgcga	acattctacg	94740
ggatgttctt	agatgccttt	aaaaaggggg	cagatctaata	tttatttgaa	ccctcacttt	94800
ccaacttcac	catgaccag	tactagagat	tagggcactt	caaagcattg	aaaaaaatct	94860
actgatactt	actttcttag	acaagtagtt	cttagttaac	caccaatgga	actgggttca	94920
ttctgaatcc	tggaggagct	tctcgtgcc	accagtggtt	tctgggccct	ctgtgtgagc	94980
agccaggat	gagctgtttt	agaagcagcg	tgttgccctt	atctctcccg	tttcccaaaa	95040
gaacaaggga	taaagctgac	agtcacactc	ctgggttaaa	aaaagcattc	cagaaccact	95100
tctctttatg	ggcacaacaa	agaaacgaag	gctgaagtct	gcctacccaa	aatgaaaagt	95160
aggctttaca	gtcaaaagta	cttctgttga	ttgctaataa	acttcatttt	cttgaaatag	95220
agcaactttg	agtgaatct	gcaacatgga	taccatgtat	ataagatact	gctgtacaga	95280
agagttaagg	cttacagtgc	aaatgaggcg	tcagctttgg	gtgctaaaat	taacaagtct	95340
aatattatta	ccatcaatca	ggaagagaat	aataaatgtt	taaacaaaca	cagcagtctg	95400
tataaaaaata	ccgtgtatca	tttactcttt	ctgcagctct	atacgatagg	caggagaggc	95460
ttatgtggca	gcacaagcca	ggtggggatt	ttgtaacgaa	gtgataaaac	atttgtaagt	95520
aatccaagta	ggtgtattaa	ggcaccaaaa	gtaacatggc	acccaacacc	caaaaaataa	95580
aatatgaaat	atgagtgtga	actctgagta	gagtatgaaa	caccacagaa	agtcttagaa	95640
atagctctgg	agtggctctc	ccaggacagt	ttccagttgc	tgaatagtct	tttggcactg	95700
atgttctact	tcttcacatt	catctaaaaa	aaaaaaaaaa	aaaaatcaaa	attaaaaatct	95760
gagtcagtct	gcctgcctcg	gttctcatta	gtttaattct	taatgccttg	cactttccag	95820
caatcattca	atcaaaaagag	tgaaatgaag	cacattaaca	aagcaggagg	cgccacggac	95880
cgctccctc	cacaccgctc	cttccgcctt	cattccttgc	ccacaggctt	gcactggaag	95940
ctgaataaga	atccccaaaa	ctcaaacttc	ctagggatgc	cacccttta	gtagctcaca	96000
cctccccctc	ccaagagcta	agaaacaaag	gagaatgtac	ttttgtagct	tagataagca	96060
atgaatcagt	aaaggactga	tctacttgct	ccaccacccc	tcccttaata	ataacattta	96120
ctgttatttc	ctgggcttaa	gacttatgtt	ccagaactgt	cacagctccc	catgtcacac	96180
ccactagctt	gtgactcttg	tcaaataact	gaaatctttt	aagcctctag	tttcttcctt	96240
tgtaaaaacag	agataaaaatg	ttgtggtttt	taagtgaat	aatccaagta	aagcacctaa	96300
catggagtag	tgaatgaaca	tcggttgcta	ctaaaagtgg	acatcctacc	gcacctttaa	96360
tgccactagg	catttccata	caatctgggg	accaaactt	caatcatata	aatgtatgag	96420
gttaattaaa	aacactactg	taatctgctt	gtatgatcac	aaaccaccac	aaaagaaaag	96480
atcgtgaaga	ttacactgta	aacggactct	caaatgatca	ggaggtgggc	acttcgcaac	96540
ttgctccctc	caccaactc	aaaacaggag	ctcgagcctg	cctgtatttg	agactggagc	96600
tgctgtatg	aggactggat	caactgctag	tcacgttata	tccaaatctg	cattatcatt	96660
gggcacattt	tcacagaatt	ttactgaatt	attccttaat	tgtttaatgg	ttgggaatag	96720
tttggggaatt	accttccatc	aactctgcta	agaaaggaat	ggattctggg	agcaagacaa	96780
tataattctc	cttttagttt	tcagccagtg	ctaacacagt	aatcaaagca	gcaaatcgaa	96840
cctgaaaagg	ataaaaagagc	aaagaaataa	aaagtagtgt	tactgtattt	attatcttaa	96900
gagctgtact	gacttgagac	aagctctaac	tttttaaaaca	ttagtccaca	cgcttttatt	96960
cacttcatta	tgttcattaa	gctttcatct	tagaatacca	gtttcaccat	ttgggagctg	97020
tttgtaatat	gtgcaacctt	ataaaatagt	ttttccaaac	tgtgtcccag	gactgcaaat	97080
ctttaatgtg	aaatgtcttt	ttataatctc	ttcctttaaa	aaaaaccaat	aaaaataaat	97140
gccacatgca	aactcaagtg	tgtcaccaga	ttttacttca	ttggcgctcg	ccagcccggc	97200
aggctggcaa	taaagtgcct	ccagccacct	ctggcaggct	tcctcaccca	cagcccctga	97260
ctggtcacca	ctatagttgt	atgagggggc	aggacaatcg	cttgggataa	actcccctct	97320
cagcactgaa	taaaaaacat	tctgtgtcac	aatatcctag	ttttggggct	ttaaaaacgt	97380

ctagggtgttc	ctcacatgcc	ttgtctataa	taaggaaagc	aagcagtagt	tgggtattgt	97440
tagcttttga	aacaaaagcc	ctactggtct	tctaattttg	gatattttta	ttaaagaata	97500
tctggacagt	acaaagtga	ttattaaaaa	accattttgt	actacctaga	ttcaatcagg	97560
atttccttga	tttgtgcaaa	gtaaaatatt	acaataaatt	tgatactgct	acttgtataa	97620
aaacctatgg	tttaaaatgt	gggggttcat	cataatagtc	tcattgttag	catatcctaa	97680
taaagaattt	gaactaataa	atcctattaa	taaaattctg	ctttgggtctg	ttatagccag	97740
taaagttcta	atacaatcat	tagtttgaga	aatgggtgact	cattgctaaa	acagtttgaa	97800
atttgtaaca	cttgggtgtc	aaattttgac	ttccactcaa	cctacccatg	ttttatttcc	97860
actgccacca	cttactcaac	aagatcataa	gcctagtatc	tataaacaac	agaatgtatt	97920
gctctaactc	aaaagactat	agtgtggata	aattcaatgc	atcttctctc	ggagcacaat	97980
gacatttcaa	tagcacttaa	aaaagaagga	attacttcaa	atctttgtta	tttaaaagta	98040
tttagaaagt	atttttagtac	ttctgcccc	cgcaccattg	gggtggggat	agggcattgc	98100
tattctttac	aaatagccta	taagtaaaaa	acaaaatttt	cttaggcaca	aatttctgcc	98160
taatacaaaa	gaccagacct	ctagtactgg	atgacaaata	gcaatgttct	tccttgccag	98220
tttactaggg	ggcctacatc	tgtgaccacc	tgacaggtgt	ttaggctatg	cagtgaagaa	98280
atgcagtttc	agtacttgtc	acgcagttcc	taacatttag	cgaggagtct	ctcgtcttta	98340
gcagaatctg	gtagtctcag	ggtttccaaa	gagagctatc	cgccatggcc	actgaaaact	98400
gtgcgatgca	tggatatcagg	tgcctttgtc	cccgcttctg	gaatttctct	tctcccccaa	98460
gcctgttttc	cagctaggaa	gagtaagaca	aagactttga	acaacaagtc	tcatttcttt	98520
cttctgtttg	aaaaaatgtc	caacatacaa	atattttact	atctttcatg	atattagcag	98580
gttcaaaaac	caggcattat	tctaatactc	tctagggcaa	atgtattgcc	ttctagaact	98640
caaatggaat	ctcataccct	ttatcatcgc	ccctttctct	ccagcagaac	atctcagagg	98700
agctctttgc	tccagaggac	agccatgctc	tgacacgttc	tcagtgaggc	ccagttaaaa	98760
caaatgaata	cattaaccat	gacagcttat	atcatgtctg	tcttttgagc	agtttaaaaa	98820
ataaaaaata	aaaaataact	cagggccagg	catgggtggc	cacgcctgta	atcccagcag	98880
tttgggaggg	caaggtgggt	ggatcacttg	aggtcaggag	ttcgagacca	gcctggccaa	98940
catggcaaaa	cctcatccct	actaaaaata	caaaaattag	ccaggtgtgg	aggcggggcg	99000
ctgtgatccc	agctattcgg	gaggctgagg	cacaagaatt	gcttgaaccc	gggaggtgga	99060
ggttgacagc	agccgagatt	gcaccactgc	actccagcct	gggtgacaga	gcaagaccct	99120
gtctcaaaac	aacaaaacaa	aactcaaatt	ccacaatgaa	gttatatctt	tgaaaaaaca	99180
attttcaaat	aaaacatttc	attaaaaaga	ccagaaaaaa	caaccttaca	aagaaaaatc	99240
ctagcaagct	gtcatttgag	cagatctaaa	acctgccaa	ctcgaacagt	gatggcttcc	99300
tcagcaacga	aagatgattc	tgtttgggta	cctgatccac	cagaggcatc	atcaaggctc	99360
tgcctctctc	tttacttata	aaatgctggg	tatcaaaaag	gaagattttg	tataaacagt	99420
tcaaaataaa	ctgcaacagc	aagcagcact	tttcagggtc	attttcagag	tcaaaaaatg	99480
cttcatctgt	agacgtggga	agagtaaaaa	tgaaaaaaca	ctgaacttaa	ccattttaatc	99540
tccaatgttt	acattgaaat	cactattaaa	ataactaaat	cagaagagtc	taaaatgata	99600
tagaaatcat	aatcaggacg	aaggcagaac	acaatggatg	gtctctcgaa	gaatgattcc	99660
ttctttttag	gttaagattc	taacactcac	tctggcaagt	taaattccct	caactgtcaa	99720
gtgggtcacg	tattagcatt	agagaataaa	ctaactctta	tttttgctgt	ttaaagttac	99780
ttccagtaac	tgacagtaac	ggccatttac	tttattcttt	ctcccaagtg	aggtgactta	99840
taacattcgc	tcatcatgct	aaaacaacac	ttcactgtct	gacaacaatg	aagtaaaaaa	99900
ttcaccctcc	ttagcttagg	acttaagaac	ctctaaaatc	ttgcttccaa	gcactagctt	99960
gtgtcttact	ggtaccttgt	ataaggcaca	caggacaagg	gtgacagctg	aactgaagcg	100020
accacccacc	tgttttggag	atgttcacct	ggtccaaggt	gtcagcaaaa	ggcttcacta	100080
agtggccggc	aaacagagta	aaaagccctt	tcagcttttc	agcaatgcaa	tctgccaaat	100140
tgtaaaatgt	caacaacctg	tcctttgggg	catcttctgt	tttagcccaa	tcaaacagct	100200
gaaaggataa	gacagtatta	gtttcttcga	catcttgtca	cttaaatctg	agcacaaaag	100260
agaggaagag	gaagaaagcg	tcaccttgaa	gaacaggggc	ctgaatgtga	cctcggaaag	100320
tttgacaacc	atggctacta	gacagtcaat	gatacaattt	tccgtttttc	caacttcttc	100380
cagatcggtc	tgaaaacaga	agagcccatt	tattagagtg	ctgataacctg	actgtaaaat	100440
aatltggcaa	gtaccactgt	tacacggcta	gattgttctc	ggactcttca	ataggtggat	100500
aacagcttta	ggatttggag	gagtgaacct	gagcttacct	cagagtgtctg	ggctcggaa	100560
tccagggcct	ccaggaaaaa	ggcgggttag	tgagactgat	gggaggtgag	ctcttctctc	100620
ttcatcgccc	caatatgctc	ttgcaagatg	ctcataaacg	gacccatgtg	attctaccaa	100680

taacacagga	aaaagatgtg	ccattttcaa	atgattccta	gagttcagcg	gtgtgtatatt	100740
ttaaaaaacta	aatcttcttc	tttaagtcaa	agtttacaca	ttgcagtacc	acctctccct	100800
tctccaaagt	cttaataccc	aataagatct	aaccttccag	ttcttctcaa	tctgcttgta	100860
agtttttttg	atggcgggca	acaggactcg	gggtgcaagt	gtggtagcca	gtgtcttttt	100920
aagagatgtg	agacggatat	tagcctgtga	cgcagaaccc	atttcactag	tgattttctc	100980
cagatgaatc	acctacagga	atataaaaaa	agtgatcagg	gccactgcag	atcttcgctg	101040
acaaacacac	acttacagag	aggcttcatg	atgaggtact	agtgtttgga	aaatgcttag	101100
cacttttttaa	ctacacacag	agttcctttt	aaagtcagcc	ctaaacgtca	gtggataaaa	101160
ctgggcagac	acctcttgcc	caacttgcca	tcagggacga	aggccgatgg	tagacgcaga	101220
cgcacacaca	gcacccagac	agatgatttt	cttagaggac	aggaatgcaa	gggaccacgg	101280
caagagtcaa	gttgctaaaa	aactgagaaa	gctcctcaga	gcacaggccc	ctttctctga	101340
gaaggctact	tttaaaccct	ggctgtgggtg	taagtgaagc	ggtttaatca	tttgcccat	101400
ggtaatgaag	gctcctaacc	ttgtaaatgg	caaagtatca	acacaatgga	acagccaggt	101460
ctcaacactc	ttgagcatct	tcaatcataa	ataccattgg	cccctagcgt	gttgacagga	101520
aaccgctgac	gtgcaataca	aaaattctgc	tttgcaagat	gccttaggat	taaacctctc	101580
acagttagaaa	cagggcccat	caattttccac	aagtaataaa	aggcggtctc	accagcccaa	101640
ctccaaagat	ctgcagaag	aaaaaaaaagc	cagaatacat	tccgcacaat	taaagaagag	101700
aagcatctcg	ctaaaaagtg	acccccatat	caattttcaag	attaagtggc	aaggatgatg	101760
gaagagaaaa	agtacacatt	taataaaaagc	aagcacatct	cttcagaaat	aagactcctt	101820
tctgtcaaac	ggaaactaac	ccttaaagaa	aaaacaaaat	cactacattt	gtgatctttt	101880
accttcccca	gccaccctgc	gtagcatgtc	gtggctatcg	tggctcacct	gggagagaat	101940
gccttccaga	taggggctga	tgaagtgcgg	gagagtctcc	acaaccttct	gcagagcagc	102000
caaggcactg	agcaggtaga	cctcgctgga	gaccagctcg	ctggtgttct	tcattgttgt	102060
cagcaacgat	ggcatcaggc	tagaaacaaa	gtaagagctt	tagaagaact	tgaagcagaa	102120
acagaggcta	gggaatggag	tagagggcat	tatgaaaaaa	accagcaaac	tgtgcctatt	102180
acatcgctat	ctgcctcata	gcctaaaaag	cagtgtctat	acattttatg	tggctaagca	102240
caagaaatct	cccagtgcct	acagtatgga	cacaacagta	atttaaaaaa	taacaatgtc	102300
tttcattaac	tgaacactta	ctatgtgtca	ggcactatgc	aaaactcctt	gcaagcactg	102360
ccctacagaa	atcctatgag	gtagatactg	tctctgtttt	atagacagca	aagctctaac	102420
aggttaagga	acatactggc	tgtacagtaa	ggaactacca	cagccaggag	cttctaactt	102480
ccaaatttgg	cagcagaagg	cagctttggc	cttgccctaac	tgggtgggcc	cctctgcca	102540
gaaccttcac	ccactgcttt	ttgactatac	tagacaaaag	gaaggaagaa	tggaggacga	102600
ttaacactgc	aaagcagtgc	atctgaagat	aaacgggaag	gctgcatctt	tctgtttgaa	102660
gattaattat	ttttattatt	atttctttaa	gagacagggg	ctcactctgt	tgcccaggct	102720
acagtgcagt	ggtgcagtca	tagctcactg	cagcctcaaa	ctcctgggct	caaatgatct	102780
ccctgccttg	gcctcccaaa	gtgctgggat	cacagccgtg	agccaccaca	ccctgcaaga	102840
tcaattcttt	aacaaattcc	aattttatgc	aacgtctact	cagaggaaaa	aaaaaaaaag	102900
tcaccaaagt	gttatttttc	aatgtgtgcc	aggcggtaac	agctcctgtt	ccaagtctcc	102960
ggccgcatac	ctgggaagct	gggggatggc	cagcgctcc	agggtggagg	tcacctctgc	103020
tatgcacagc	agcgcgcttc	ccaagacatt	cttctcctcc	tttctctctg	gagcaatcag	103080
tttcacagca	gtgctcagca	ctgggacaaa	aggatctgga	ttttctgcac	caaaattctt	103140
gcataaaaagc	tttaaggtat	acaacgctgt	ctgtctgttg	attgcttgtt	cttcttcccc	103200
ttcctttttc	ttacgctgca	caatggccaa	aaggctctgga	accagtttta	ggaaacgggt	103260
aacctgaagg	ggacagccag	aatcccaaaa	tcattaaagc	tgcaaaaaat	gtttgtccat	103320
tttcccattg	tcacagcttg	agattgtcta	aatggaaatc	agactcgggg	gtcctgagtc	103380
acacagtcac	gctaagcgat	gtgcatgttc	tagccagtgt	ttcacttata	caaagcacc	103440
actgatctgg	agtaaaaggg	acttagaact	atgctaaggc	taaggccacg	taagctctgt	103500
agtaagcaag	aattccacta	ggctgaaatt	ccattctaag	agctcttaca	acacacatat	103560
attcccgtta	gaattaacgt	cacattttaa	aacatgtcat	ggtattatat	tcagataata	103620
atatacttca	atttgaaatt	gtaccactag	agaaattgaa	gggagttaaa	tcagactctt	103680
tgataaagca	aagtacagta	aatgggtgtg	tcctgggtct	tcactcacta	ttgtcttctt	103740
ccaggatata	ttttgtgca	gcttggtatt	caaaaggctc	agcgctttgc	ggcgaaacaga	103800
tggcagggga	ttggccacca	gccctctgat	cacaggaatg	aatgtctctg	tgggcagcaa	103860
ggcattgacc	taaagagaaa	ttttatattt	aacatgaaaa	gaaaaacaaa	ttaaaaaaa	103920
aatcaacttc	aattaagaca	gactgctgtc	cactgcacac	ctccaggcac	caggcacttc	103980

```
cacacacatt ttcttattta attcttaaaa taacctttca ggtaggcatt accaaccaca 104040
cattatcgaa caaaacaaaa gcctgatgtc aggaggaagt gccaaaggca tgcagctaaa 104100
tgactgagct agatttgaat cagcaatcct aacttcgagg ccagtgatat gtatgtaata 104160
tacttcatac ttttatttta ttccacttga ataaagtaga acagtatata ttatatgact 104220
taattattaa aatatacgag gtacatgttc tcataactgg taaggaaaca attttttcca 104280
gacaaatcta tttctagtca tcaagagatt gttttctaag aaaaatctga gcttcattat 104340
attcataaaa ggaattgcta agttttattct taaaaacttt acataatttc acaataattt 104400
aaaaaacagc aacaaaacag taattccagg gagaaatgaa cacctacctt atctaacagg 104460
tcgtaagctt tactaaggag cgcgcgccag aacttcacgg tgagtttgtc tgcgttcctt 104520
tccatggact gtgcaactgc actgatatag ccgagaacgg tctccagcaa cctgaaacac 104580
agaggctcgc tcagcaaacg gcagctgaag aaactcagag aacttggttca tgtctacctt 104640
atgctaaatg tttcaagtag aaagacgagt taaataattc tgtactaaat tatttcaaaa 104700
actactcggg aagaaaaggaa atgagggatt attgccatag acagagatca tcaagaagta 104760
actaggcgct tctgtgcaga agcatcgacc tcgctcagac tctgtgaggt gctgaataag 104820
caacagatgc tgaaagcggt taaggaactc actcatatct agctcatgct cagtggatct 104880
cactgggctg tccaagtggg gtgttcaggg agttatggcc ctagggttaat ggcaggtgtg 104940
tgcgtgcaca cacacacagg cacacacacg cacacataca catgcacaca caccatacac 105000
catttatata aagagaaata ttaatagaaa tgaacatata acccacttct ttcacattat 105060
taggagacaa aaaaaaagac tacaaacttc aaataacttg taattagaaa agcacacacc 105120
aaattccaac acagctgcc a ctggagatcc cccactgct gccagcctga ggggggagct 105180
agagggaaga gtggagacag aagttgacac cgcacagcag aggaggggag aagggggcgc 105240
agacaaaatc agctccaaaa acgaaagtcc tacgcatagc gctacaagtc agcccacagg 105300
actggaactc agcagctcac attcctggct gcagggcagg cactttccag tggagggggc 105360
aggacagtgg ccctgggaat gccatgcatc tgaaaaggag gtacacagca aggccaggag 105420
gcaaaccctg aggacatggg agagaaaagga aaattcctgc acccaaatat ataatggcag 105480
catatggatt agaatccacg gaataaagaa ttcatgagcc catagaaatc agggccagat 105540
tgagacacta aacagatact gcaactcaat acaatacaca gacttgacat ggatcatgat 105600
gcagaaacac atgcggtgta aaggacagtg ttgggataat tagggagact ggagtatgaa 105660
ctgtagatta catcactgga ttggatcaat gttaaatttt ctgaatttga tcaatgtact 105720
gtggttttat aagaacatct cttattctta gagacataat gtatatgatt tactttcaaa 105780
tggtctcagag aaaaaaccct acataggag aacgctaagg caaatgtggc agaaagtatt 105840
atcaaatggt gaacctggtt gtaaagagta tatgaatttt ctgtactggt tttccagggt 105900
ttctataagt ttgaagtcat ttccaaataa aaagtaaaaa aagaaaagga aacatacctc 105960
tcttcaaggc cttttaaaat ctcaggacca ccactctcaa ctacctaatt tttaaagaag 106020
acgtcattag aacggtatgg aagtcaataa taaaagtcatt ttcaagtcag ttcaatgaaa 106080
ctcggaccat tcaactgaaac cttccacagc aactgttttc tgacattaca atttaatcag 106140
gttcatagca tcttcattat actgtagtaa ctctatttct ctttaatttat ttttaattata 106200
ttctactggt agtatctaaa aagtactaca atggttcaga aaaatacagc aatcaacact 106260
caattagcac taccgaattc tatgacatgc tgatctgggt agctcacata tcctttgttg 106320
agaagttaaa cattacagat tcagctggaa tcccccaagt actgtcctt ggtcctattc 106380
tccctctacc ccaagcccca caaacaaaac catcatccca aatctgcttc caaatgtttc 106440
aaacactaca tatcacggaa caacatgttt ttctggaaac atatttttga gatctatgca 106500
tggtgactta tgttctagtt ctttcatttt aactgcatat gatattcctc tataaatacc 106560
acttatctat ccatttgcct ctgttgtag atgtttagtt tatgtccatt ttttcccctt 106620
ttactaataa tgctagagaa gaacattttt atgtcccttt gatcatcttg ggaagttttt 106680
acagcatata tacctaagga agggaatgac cagatcacag gaattactgg aactttcaac 106740
ctcatg 106746
```

<210> 2

<211> 5408

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> 201..1151

<221> polyA_signal

<222> 1773..1778

<223> AATAAA

<221> polyA_signal

<222> 3624..3629

<223> AATAAA

<221> polyA_signal

<222> 3828..3833

<223> AATAAA

<221> polyA_signal

<222> 5119..5124

<223> AATAAA

<221> polyA_signal

<222> 5381..5386

<223> AATAAA

<221> polyA_signal

<222> 5386..5391

<223> AATAAA

<221> allele

<222> 176

<223> 5-1-222 : polymorphic base A or G

<221> allele

<222> 253

<223> 5-2-162 : polymorphic base A or T

<221> allele

<222> 269

<223> 5-2-178 : polymorphic base C or T

<221> allele

<222> 303

<223> 5-2-213 : polymorphic base C or T

<221> allele

<222> 362

<223> 5-3-83 : polymorphic base C or T

<221> allele

<222> 363

<223> 5-3-84 : polymorphic base A or G

<221> allele

<222> 527

<223> 5-3-248 : polymorphic base A or G

<221> allele

<222> 749
<223> 5-7-195 : polymorphic base G or C

<221> allele
<222> 1013
<223> 5-10-39 : polymorphic base C or T

<221> allele
<222> 1276
<223> 5-10-302 : polymorphic base A or G

<221> allele
<222> 1308
<223> 5-10-334 : polymorphic base A or C

<221> allele
<222> 1500
<223> 5-11-158 : polymorphic base A or G

<221> allele
<222> 1572
<223> 5-11-230 : polymorphic base G or T

<221> allele
<222> 1576
<223> 5-11-234 : polymorphic base C or T

<221> allele
<222> 1641
<223> 5-11-299 : polymorphic base A or T

<221> allele
<222> 1646
<223> 5-11-304 : polymorphic base A or C

<221> allele
<222> 1671
<223> 5-11-329 : polymorphic base C or T

<221> allele
<222> 1768
<223> 5-12-56 : polymorphic base insertion of CTTT

<221> allele
<222> 1979
<223> 5-12-267 : polymorphic base A or C

<221> allele
<222> 2156
<223> 5-13-145 : polymorphic base C or T

<221> allele
<222> 2423
<223> 5-14-44 : polymorphic base C or T

<221> allele
<222> 2471
<223> 5-14-93 : polymorphic base A or T

<221> allele
<222> 2522
<223> 5-14-144 : polymorphic base insertion of T

<221> allele
<222> 2543
<223> 5-14-165 : polymorphic base C or T

<221> allele
<222> 2675
<223> 5-14-297 : polymorphic base A or C

<221> allele
<222> 2685
<223> 5-14-307 : polymorphic base G or T

<221> allele
<222> 2973
<223> 5-15-219 : polymorphic base A or T

<221> allele
<222> 3242
<223> 5-16-157 : polymorphic base A or G

<221> allele
<222> 3514
<223> 5-17-140 : polymorphic base A or G

<221> allele
<222> 3593
<223> 5-18-51 : polymorphic base G or T

<221> allele
<222> 3750
<223> 5-18-208 : polymorphic base A or C

<221> allele
<222> 4023
<223> 5-300-238 : polymorphic base C or T

<221> allele
<222> 4072
<223> 5-300-287 : polymorphic base A or G

<221> allele
<222> 4398
<223> 5-262-49 : polymorphic base insertion of C

<221> allele
<222> 4434
<223> 5-262-85 : polymorphic base C or T

<221> allele
<222> 4603
<223> 5-262-254 : polymorphic base C or T

<221> allele
<222> 5204
<223> 5-263-404 : polymorphic base C or T

<221> allele
<222> 5397
<223> 5-265-244 : polymorphic base A or G

<221> misc_feature
<222> 708
<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature
<222> 709
<223> diverging nucleotide T in reference genbank : L78132

<221> misc_feature
<222> 807
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 1230
<223> insertion of G in reference genbank : L78132

<221> misc_feature
<222> 1493
<223> diverging nucleotide T in reference genbank : L78132

<221> misc_feature
<222> 1724
<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature
<222> 1845
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 1933
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 1934
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 1935
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 1936

<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature

<222> 1965

<223> deletion of A in reference genbank : L78132

<221> misc_feature

<222> 1981

<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature

<222> 2000

<223> diverging nucleotide T in reference genbank : L78132

<221> misc_feature

<222> 2014

<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature

<222> 2404

<223> deletion of TTA in reference genbank : L78132

<221> misc_feature

<222> 2407

<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature

<222> 2494

<223> insertion of G in reference genbank : L78132

<221> misc_feature

<222> 2683

<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature

<222> 3024

<223> insertion of A in reference genbank : L78132

<221> misc_feature

<222> 3058

<223> insertion of T in reference genbank : L78132

<221> misc_feature

<222> 3374

<223> deletion of AG in reference genbank : L78132

<221> misc_feature

<222> 3379

<223> diverging nucleotide A in reference genbank : L78132

<221> misc_feature

<222> 3383

<223> deletion of G in reference genbank : L78132

<221> misc_feature

<222> 3387
 <223> deletion of G in reference genbank : L78132

 <221> misc_feature
 <222> 3402
 <223> deletion of A in reference genbank : L78132

 <221> misc_feature
 <222> 3408
 <223> deletion of A in reference genbank : L78132

 <221> misc_feature
 <222> 3427
 <223> deletion of AA in reference genbank : L78132

 <221> misc_feature
 <222> 3621
 <223> deletion of A in reference genbank : L78132

 <221> misc_feature
 <222> 3664
 <223> deletion of C in reference genbank : L78132

 <221> misc_feature
 <222> 3672
 <223> deletion of C in reference genbank : L78132

 <221> misc_feature
 <222> 3684
 <223> insertion of TG in reference genbank : L78132

 <221> misc_feature
 <222> 3688
 <223> insertion of C in reference genbank : L78132

 <221> misc_feature
 <222> 3697
 <223> diverging nucleotide G in reference genbank : L78132

 <221> misc_feature
 <222> 3698
 <223> diverging nucleotide C in reference genbank : L78132

 <221> misc_feature
 <222> 3787
 <223> insertion of A in reference genbank : L78132

 <221> misc_feature
 <222> 3931
 <223> insertion of G in reference genbank : L78132

<400> 2
 agccgcccac ggacgccaga gccgggaacc ctgacggcac ttagctgctg acaaacaacc 60
 tgctccgtgg agcgccctgaa acaccagtct ttggggccag tgcctcagtt tcaatccagg 120
 taacctttaa atgaaacttg cctaaaatct taggtcatac acagaagaga ctccaatcga 180

caagaagctg gaaaagaatg atg ttg tcc tta aac aac cta cag aat atc atc	233
Met Leu Ser Leu Asn Asn Leu Gln Asn Ile Ile	
1 5 10	
tat aac ccg gta atc ccg tat gtt ggc acc att ccc gat cag ctg gat	281
Tyr Asn Pro Val Ile Pro Tyr Val Gly Thr Ile Pro Asp Gln Leu Asp	
15 20 25	
cct gga act ttg att gtg ata tgt ggg cat gtt cct agt gac gca gac	329
Pro Gly Thr Leu Ile Val Ile Cys Gly His Val Pro Ser Asp Ala Asp	
30 35 40	
aga ttc cag gtg gat ctg cag aat ggc agc agt gtg aaa cct cga gcc	377
Arg Phe Gln Val Asp Leu Gln Asn Gly Ser Ser Val Lys Pro Arg Ala	
45 50 55	
gat gtg gcc ttt cat ttc aat cct cgt ttc aaa agg gcc ggc tgc att	425
Asp Val Ala Phe His Phe Asn Pro Arg Phe Lys Arg Ala Gly Cys Ile	
60 65 70 75	
gtt tgc aat act ttg ata aat gaa aaa tgg gga cgg gaa gag atc acc	473
Val Cys Asn Thr Leu Ile Asn Glu Lys Trp Gly Arg Glu Glu Ile Thr	
80 85 90	
tat gac acg cct ttc aaa aga gaa aag tct ttt gag atc gtg att atg	521
Tyr Asp Thr Pro Phe Lys Arg Glu Lys Ser Phe Glu Ile Val Ile Met	
95 100 105	
gtg cta aag gac aaa ttc cag gtg gct gta aat gga aaa cat act ctg	569
Val Leu Lys Asp Lys Phe Gln Val Ala Val Asn Gly Lys His Thr Leu	
110 115 120	
ctc tat ggc cac agg atc ggc cca gag aaa ata gac act ctg ggc att	617
Leu Tyr Gly His Arg Ile Gly Pro Glu Lys Ile Asp Thr Leu Gly Ile	
125 130 135	
tat ggc aaa gtg aat att cac tca att ggt ttt agc ttc agc tcg gac	665
Tyr Gly Lys Val Asn Ile His Ser Ile Gly Phe Ser Phe Ser Ser Asp	
140 145 150 155	
tta caa agt acc caa gca tct agt ctg gaa ctg aca gag ata agt aga	713
Leu Gln Ser Thr Gln Ala Ser Ser Leu Glu Leu Thr Glu Ile Ser Arg	
160 165 170	
gaa aat gtt cca aag tct ggc acg ccc cag ctt agc ctg cca ttc gct	761
Glu Asn Val Pro Lys Ser Gly Thr Pro Gln Leu Ser Leu Pro Phe Ala	
175 180 185	
gca agg ttg aac acc ccc atg ggc cct gga cga act gtc gtc gtt aaa	809
Ala Arg Leu Asn Thr Pro Met Gly Pro Gly Arg Thr Val Val Val Lys	
190 195 200	
gga gaa gtg aat gca aat gcc aaa agc ttt aat gtt gac cta cta gca	857
Gly Glu Val Asn Ala Asn Ala Lys Ser Phe Asn Val Asp Leu Leu Ala	
205 210 215	
gga aaa tca aag gat att gct cta cac ttg aac cca cgc ctg aat att	905
Gly Lys Ser Lys Asp Ile Ala Leu His Leu Asn Pro Arg Leu Asn Ile	
220 225 230 235	
aaa gca ttt gta aga aat tct ttt ctt cag gag tcc tgg gga gaa gaa	953
Lys Ala Phe Val Arg Asn Ser Phe Leu Gln Glu Ser Trp Gly Glu Glu	
240 245 250	
gag aga aat att acc tct ttc cca ttt agt cct ggg atg tac ttt gag	1001
Glu Arg Asn Ile Thr Ser Phe Pro Phe Ser Pro Gly Met Tyr Phe Glu	
255 260 265	
atg ata att tac tgt gat gtt aga gaa ttc aag gtt gca gta aat ggc	1049
Met Ile Ile Tyr Cys Asp Val Arg Glu Phe Lys Val Ala Val Asn Gly	
270 275 280	
gta cac agc ctg gag tac aaa cac aga ttt aaa gag ctc agc agt att	1097

Val	His	Ser	Leu	Glu	Tyr	Lys	His	Arg	Phe	Lys	Glu	Leu	Ser	Ser	Ile	
285						290					295					
gac	acg	ctg	gaa	att	aat	gga	gac	atc	cac	tta	ctg	gaa	gta	agg	agc	1145
Asp	Thr	Leu	Glu	Ile	Asn	Gly	Asp	Ile	His	Leu	Leu	Glu	Val	Arg	Ser	
300					305					310				315		
tgg	tag	cctac	ctaca	cagct	gctac	aaaaa	accaa	atacaga	aatg	gcttct	gtga					1201
Trp	*															
tactggc	ctt	gctgaa	acgc	atctc	actgt	cattct	tattg	tttat	attgt	taaa	atgagc					1261
ttgtgc	acca	ttagat	cctg	ctggg	tggtc	tcagtc	ccttg	ccatga	agta	tgggt	ggtgc					1321
tagcact	gaa	tgggg	aaact	ggggg	cagca	acactt	atag	ccagtt	aaag	ccact	ctgcc					1381
ctctctc	cta	ctttg	gctga	ctctt	caaga	atgcc	attca	acaagt	tattt	atggag	tacc					1441
tactata	ata	cagtag	ctaa	catgt	tattga	gcacag	attt	ttttt	ggtaa	aactgt	gagg					1501
agctagg	ata	tatact	tggt	gaaaca	aaacc	agtat	gttcc	ctggt	ctctt	gagctt	cgac					1561
tcttctg	tg	tctatt	gctg	cgact	gctt	tttct	acagg	cattac	atca	actcct	aagg					1621
ggctctc	tg	gattag	ttaa	gcagc	tatta	aatcacc	ccga	agacact	aat	ttacaga	aaga					1681
cacaact	cct	tcccc	agtga	tcact	gtcat	aaccagt	gct	ctaccg	tatc	ccatcag	ta					1741
ggactgt	gt	tgact	gacat	catttt	atcg	taataa	acat	gtggc	tctat	tagctg	caag					1801
ctttacca	ag	taattg	gcat	gacat	ctgag	cacaga	aaatt	aaggc	aaaaa	accaa	agcaa					1861
aacaa	ataca	tggtg	ctgaa	attaact	tga	tgcca	agccc	aaggc	agctg	atttct	gtgt					1921
atttga	actt	agggc	aaatc	agagt	ctaca	cagacg	ccta	cagaa	agttt	cagga	agagg					1981
caagatg	cat	tcaatt	tga	agatatt	ttat	gggca	acaaa	gtaagg	tcag	gattag	actt					2041
caggc	attca	taagg	caggc	actat	cagaa	agtgt	acgcc	aacta	aggg	cccaca	aaagc					2101
aggcag	agg	aatgc	agaaa	tctgt	tttgt	tcccat	gaaa	tcacca	atca	aggcct	ccgt					2161
tcttcta	aaag	attagt	ccat	catcatt	tagc	aactg	agatc	aaagc	actct	tccact	ttac					2221
gtgatt	aaaa	tcaa	acctgt	atcag	caagt	taa	atgg	tct	gtgtg	attttt	ctat					2281
tatttg	agg	gag	tggcag	aag	ttccatg	tatat	gggat	ctttac	agg	catat	cttgt					2341
tacagg	aaat	ttcaa	agg	t	gggag	tggg	ag	gaggg	aaaaa	agctc	ag	ta				2401
ttttat	caca	ttaga	ctggg	gcaga	actct	gccag	gattt	agga	atattt	tcaga	acaga					2461
ttttag	atat	tattt	ctatc	catat	attga	aaaga	atacc	attgt	caatc	ttattt	tttt					2521
aaaagt	actc	agtgt	agaaa	ttgct	tagccc	ttaatt	ctttt	tccag	ctttt	catatta	aatg					2581
tatgc	agagt	ctcac	caagc	tcaa	agacac	tggtt	ggggg	tggag	gggtg	cacagg	gaaa					2641
gctgt	agaag	gcaag	agac	tcgag	aatcc	cccag	agtta	ttttt	ctcca	taaag	accat					2701
cagagt	gctt	aactg	agctg	ttgg	agactg	tgagg	cat	agg	aaaaaaa	tagccc	actc					2761
acatcat	tcc	ttgta	agctt	taagt	tcatt	ttcatt	tttac	gtggag	gaaa	aaaatt	ttaa					2821
aagct	attag	tattt	attaa	tgaatt	tttac	tgagac	attt	cttaga	aaata	tgactt	tcta					2881
tactag	caag	ctctg	tctct	aaaat	gcaag	ttggc	ctttt	gcttg	ccaca	tttct	gcatt					2941
aaactt	ctat	attag	cttca	aagg	ctttta	aactc	aatgc	gaac	attcta	cggg	atgtt					3001
ttagat	gcct	ttaaaa	agg	ggcag	atcta	atttt	atttg	aacct	ctact	ttcca	acttc					3061
accatg	accc	agtact	tagag	attagg	gcac	ttcaa	agcat	tgaaaa	aaat	ctact	gatac					3121
ttactt	tctt	agaca	agtag	ttctt	agtta	accacca	aatg	gaact	gggtt	cattct	gaat					3181
cctgg	aggag	cttctc	ctg	ccacc	cagtg	tttct	gggcc	ctctg	gtgta	gcagc	cagg					3241
atgag	ctgtt	ttaga	agcag	cgtgt	tgctt	tcatt	ctctc	cgttt	cccaa	aaga	acaaag					3301
gataa	agg	acagt	ccac	tcctg	gggtta	aaaaa	agcat	tccag	aacca	cttct	cttta					3361
tgggc	acaac	aaaga	aacga	agg	ctgaag	tcgc	ctaccc	aaaat	gaaaa	gtagg	cttta					3421
cagtca	aaaag	tactt	ctgtt	gattg	ctaaa	taact	tcatt	ttctt	gaaat	agagc	aaact					3481
tgagt	gaaat	ctgca	acatg	gatac	catgt	atata	agata	ctgct	gtaca	gaag	agttaa					3541
ggctt	acagt	gcaat	gagg	cg	tcagctt	gggtg	ctaaa	atta	acaag	ctaat	attat					3601
taccat	caat	cagga	agaga	ataata	aaatg	tttaa	acaaa	cacag	cagtc	tgtata	aaaaa					3661
taccgt	gtat	cattt	actct	ttctg	cagct	ctata	cagata	ggcag	gagag	gcttat	gtgg					3721
cagcaca	agc	caggt	gggga	ttttg	ttaacg	aagt	gataaa	acattt	gtaa	gtaat	ccaag					3781
taggt	gtatt	aagg	caccaa	aagta	acatg	gcacca	acaa	cccaaaa	ata	aaaat	atgaa					3841
atatg	agtgt	gaact	ctgag	tagag	tatga	aacacc	acag	aaagt	cttag	aaatag	ctct					3901
ggagt	ggctc	tccc	aggaca	gtttc	cagtt	gctga	aatag	ctttt	ggcac	tgatgt	tcta					3961
cttctt	caca	tccat	ctaaa	aaaaa	aaaaa	aaaaa	aatca	aaatt	aaaaa	ctgag	tcagt					4021
ctgcct	gcct	cggtt	ctcat	tagtt	ttaatt	ctta	atgcct	tgca	ctttcc	agca	atcatt					4081

```

caatcaaaag agtgaatga agcacattaa caaagcagga ggcgccacgg accgcctccc 4141
tccacaccgc tccttcgcc ttcatctcctt gccacaggc ttgcaactgga agctgaataa 4201
gaatcccca aactcaaact tcctagggat gccaccctt tagtagctca cacctcccc 4261
ctccaagagc taagaaacaa aggagaatgt actttttag cttagataag caatgaatca 4321
gtaaaggact gatctacttg ctccaccacc cctcccttaa taataacatt tactgttatt 4381
tcctgggcct aagacttatg ttccagaact gtcacagctc cccatgtcac acccactagc 4441
ttgtgatctt tgtcaataa ctgaaatctt ttaagcctct agtttcttcc tttgtaaaac 4501
agagataaaa tggttggtt ttttaagtga ataatccaag taaagcacct aacatggagt 4561
agtgaatgaa catcggttg tactaaaagt ggacatccta ccgcacctt aatgccacta 4621
ggcatttcca tacaatctgg ggacaaaac ttcaatcata taaatgtatg aggttaatta 4681
aaaacactac tgtaatctgc ttgtatgatc acaaaccacc acaaagaaa agatcgtgaa 4741
gattacactg taaacggact ctcaaataat caggagggtg tcacttcgca acttgctccc 4801
tccaccaac tcaaacagg agctcgagcc tgctgtatt tgagactgga gctgcctgta 4861
tgaggactgg atcaactgct agtcacgtta tatccaaatc tgcattatca ttgggcacat 4921
tttcacagaa ttttactgaa ttattcctta attgtttaat ggttgggaat agtttgggaa 4981
ttaccttcca tcaactctgc taagaaagga atggattctg gtagcaagac aatataattc 5041
tccttttagt tttcagccag tgtaaacaca gtaatcaaag cagcaaactc aacctgaaag 5101
ggataaaaga gcaagaaat aaaaagttagt gttactgtat ttattatctt aagagctgta 5161
ctgacttgag acaagctcta actttttaa cattagttca cacgcgttta ttcacttcat 5221
tatgttcatt aagctttcat cttagaatac cagtttcacc atttgggagc tgtttgtaat 5281
atgtgcaacc ttataaatag tgttttccaa actgtgtccc aggactgcaa atctttaatg 5341
tgaaatgtct ttttataatc tcttccttta aaaaaacca ataaaataaa atgccacatg 5401
caaactc 5408

```

<210> 3

<211> 5534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 201..203

<223> ATG

<221> misc_feature

<222> 1275..1277

<223> stop :TAG

<221> polyA_signal

<222> 1899..1904

<223> AATAAA

<221> polyA_signal

<222> 3750..3755

<223> AATAAA

<221> polyA_signal

<222> 3954..3959

<223> AATAAA

<221> polyA_signal

<222> 5245..5250

<223> AATAAA

<221> polyA_signal

<222> 5507..5512

<223> AATAAA

<221> polyA_signal

<222> 5512..5517

<223> AATAAA

<221> allele

<222> 176

<223> 5-1-222 : polymorphic base A or G

<221> allele

<222> 253

<223> 5-2-162 : polymorphic base A or T

<221> allele

<222> 269

<223> 5-2-178 : polymorphic base C or T

<221> allele

<222> 303

<223> 5-2-213 : polymorphic base C or T

<221> allele

<222> 362

<223> 5-3-83 : polymorphic base C or T

<221> allele

<222> 363

<223> 5-3-84 : polymorphic base A or G

<221> allele

<222> 527

<223> 5-3-248 : polymorphic base A or G

<221> allele

<222> 810

<223> 5-202-95 : polymorphic base G or T

<221> allele

<222> 832

<223> 5-202-117 : polymorphic base A or T

<221> allele

<222> 875

<223> 5-7-195 : polymorphic base G or C

<221> allele

<222> 1139

<223> 5-10-39 : polymorphic base C or T

<221> allele

<222> 1402

<223> 5-10-302 : polymorphic base A or G

<221> allele
<222> 1434
<223> 5-10-334 : polymorphic base A or C

<221> allele
<222> 1626
<223> 5-11-158 : polymorphic base A or G

<221> allele
<222> 1698
<223> 5-11-230 : polymorphic base G or T

<221> allele
<222> 1702
<223> 5-11-234 : polymorphic base C or T

<221> allele
<222> 1767
<223> 5-11-299 : polymorphic base A or T

<221> allele
<222> 1772
<223> 5-11-304 : polymorphic base A or C

<221> allele
<222> 1797
<223> 5-11-329 : polymorphic base C or T

<221> allele
<222> 1894
<223> 5-12-56 : polymorphic base insertion of CTTT

<221> allele
<222> 2105
<223> 5-12-267 : polymorphic base A or C

<221> allele
<222> 2282
<223> 5-13-145 : polymorphic base C or T

<221> allele
<222> 2549
<223> 5-14-44 : polymorphic base C or T

<221> allele
<222> 2597
<223> 5-14-93 : polymorphic base A or T

<221> allele
<222> 2648
<223> 5-14-144 : polymorphic base insertion of T

<221> allele
<222> 2669
<223> 5-14-165 : polymorphic base C or T

<221> allele
<222> 2801
<223> 5-14-297 : polymorphic base A or C

<221> allele
<222> 2811
<223> 5-14-307 : polymorphic base G or T

<221> allele
<222> 3099
<223> 5-15-219 : polymorphic base A or T

<221> allele
<222> 3368
<223> 5-16-157 : polymorphic base A or G

<221> allele
<222> 3640
<223> 5-17-140 : polymorphic base A or G

<221> allele
<222> 3719
<223> 5-18-51 : polymorphic base G or T

<221> allele
<222> 3876
<223> 5-18-208 : polymorphic base A or C

<221> allele
<222> 4149
<223> 5-300-238 : polymorphic base C or T

<221> allele
<222> 4198
<223> 5-300-287 : polymorphic base A or G

<221> allele
<222> 4524
<223> 5-262-49 : polymorphic base insertion of C

<221> allele
<222> 4560
<223> 5-262-85 : polymorphic base C or T

<221> allele
<222> 4729
<223> 5-262-254 : polymorphic base C or T

<221> allele
<222> 5330
<223> 5-263-404 : polymorphic base C or T

<221> allele
<222> 5523

<223> 5-265-244 : polymorphic base A or G

<221> misc_feature
<222> 708
<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature
<222> 709
<223> diverging nucleotide T in reference genbank : L78132

<221> misc_feature
<222> 807
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 1356
<223> isertion G in reference genbank : L78132

<221> misc_feature
<222> 1619
<223> diverging nucleotide T in reference genbank : L78132

<221> misc_feature
<222> 1850
<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature
<222> 1971
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 2059
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 2060
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 2061
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 2062
<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature
<222> 2091
<223> deletion A in reference genbank : L78132

<221> misc_feature
<222> 2107
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature

<222> 2126
<223> diverging nucleotide T in reference genbank : L78132

<221> misc_feature
<222> 2140
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 2530
<223> deletion TTA in reference genbank : L78132

<221> misc_feature
<222> 2533
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 2620
<223> insertion G in reference genbank : L78132

<221> misc_feature
<222> 2809
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 3150
<223> insertion A in reference genbank : L78132

<221> misc_feature
<222> 3184
<223> insertion T in reference genbank : L78132

<221> misc_feature
<222> 3500
<223> deletion AG in reference genbank : L78132

<221> misc_feature
<222> 3505
<223> diverging nucleotide A in reference genbank : L78132

<221> misc_feature
<222> 3509
<223> deletion G in reference genbank : L78132

<221> misc_feature
<222> 3513
<223> deletion G in reference genbank : L78132

<221> misc_feature
<222> 3528
<223> deletion A in reference genbank : L78132

<221> misc_feature
<222> 3534
<223> deletion A in reference genbank : L78132

<221> misc_feature
<222> 3553
<223> deletion AA in reference genbank : L78132

<221> misc_feature
<222> 3747
<223> deletion A in reference genbank : L78132

<221> misc_feature
<222> 3790
<223> deletion C in reference genbank : L78132

<221> misc_feature
<222> 3798
<223> deletion C in reference genbank : L78132

<221> misc_feature
<222> 3810
<223> isertion TG in reference genbank : L78132

<221> misc_feature
<222> 3814
<223> isertion C in reference genbank : L78132

<221> misc_feature
<222> 3823
<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature
<222> 3824
<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature
<222> 3913
<223> isertion A in reference genbank : L78132

<221> misc_feature
<222> 4057
<223> isertion G in reference genbank : L78132

```

<400> 3
agccgcccac ggacgccaga gccgggaacc ctgacggcac ttagctgctg acaaacaacc      60
tgctccgtgg agcgccctgaa acaccagtct ttggggccag tgcctcagtt tcaatccagg      120
taacctttaa atgaaacttg cctaaaatct taggtcatac acagaagaga ctccaatcga      180
caagaagctg gaaaagaatg atg ttg tcc tta aac aac cta cag aat atc atc      233
                               Met Leu Ser Leu Asn Asn Leu Gln Asn Ile Ile
                               1             5             10
tat aac ccg gta atc ccg tat gtt ggc acc att ccc gat cag ctg gat      281
Tyr Asn Pro Val Ile Pro Tyr Val Gly Thr Ile Pro Asp Gln Leu Asp
                               15             20             25
cct gga act ttg att gtg ata tgt ggg cat gtt cct agt gac gca gac      329
Pro Gly Thr Leu Ile Val Ile Cys Gly His Val Pro Ser Asp Ala Asp
                               30             35             40
aga ttc cag gtg gat ctg cag aat ggc agc agt gtg aaa cct cga gcc      377
Arg Phe Gln Val Asp Leu Gln Asn Gly Ser Ser Val Lys Pro Arg Ala

```

45	gat	gtg	gcc	ttt	cat	ttc	aat	cct	cgt	ttc	aaa	agg	gcc	ggc	tgc	att	425
	Asp	Val	Ala	Phe	His	Phe	Asn	Pro	Arg	Phe	Lys	Arg	Ala	Gly	Cys	Ile	
60						65				70						75	
	gtt	tgc	aat	act	ttg	ata	aat	gaa	aaa	tgg	gga	cgg	gaa	gag	atc	acc	473
	Val	Cys	Asn	Thr	Leu	Ile	Asn	Glu	Lys	Trp	Gly	Arg	Glu	Glu	Ile	Thr	
				80						85					90		
	tat	gac	acg	cct	ttc	aaa	aga	gaa	aag	tct	ttt	gag	atc	gtg	att	atg	521
	Tyr	Asp	Thr	Pro	Phe	Lys	Arg	Glu	Lys	Ser	Phe	Glu	Ile	Val	Ile	Met	
				95						100					105		
	gtg	cta	aag	gac	aaa	ttc	cag	gtg	gct	gta	aat	gga	aaa	cat	act	ctg	569
	Val	Leu	Lys	Asp	Lys	Phe	Gln	Val	Ala	Val	Asn	Gly	Lys	His	Thr	Leu	
			110					115						120			
	ctc	tat	ggc	cac	agg	atc	ggc	cca	gag	aaa	ata	gac	act	ctg	ggc	att	617
	Leu	Tyr	Gly	His	Arg	Ile	Gly	Pro	Glu	Lys	Ile	Asp	Thr	Leu	Gly	Ile	
		125					130					135					
	tat	ggc	aaa	gtg	aat	att	cac	tca	att	ggg	ttt	agc	ttc	agc	tcg	gac	665
	Tyr	Gly	Lys	Val	Asn	Ile	His	Ser	Ile	Gly	Phe	Ser	Phe	Ser	Ser	Asp	
					145						150					155	
	tta	caa	agt	acc	caa	gca	tct	agt	ctg	gaa	ctg	aca	gag	ata	agt	aga	713
	Leu	Gln	Ser	Thr	Gln	Ala	Ser	Ser	Leu	Glu	Leu	Thr	Glu	Ile	Ser	Arg	
				160						165					170		
	gaa	aat	gtt	cca	aag	tct	ggc	acg	ccc	cag	ctt	cct	agt	aat	aga	gga	761
	Glu	Asn	Val	Pro	Lys	Ser	Gly	Thr	Pro	Gln	Leu	Pro	Ser	Asn	Arg	Gly	
				175					180					185			
	gga	gac	att	tct	aaa	atc	gca	ccc	aga	act	gtc	tac	acc	aag	agc	aaa	809
	Gly	Asp	Ile	Ser	Lys	Ile	Ala	Pro	Arg	Thr	Val	Tyr	Thr	Lys	Ser	Lys	
			190					195					200				
	gat	tcg	act	gtc	aat	cac	act	ttg	act	tgc	acc	aaa	ata	cca	cct	atg	857
	Asp	Ser	Thr	Val	Asn	His	Thr	Leu	Thr	Cys	Thr	Lys	Ile	Pro	Pro	Met	
		205					210					215					
	aac	tat	gtg	tca	aag	agc	ctg	cca	ttc	gct	gca	agg	ttg	aac	acc	ccc	905
	Asn	Tyr	Val	Ser	Lys	Ser	Leu	Pro	Phe	Ala	Ala	Arg	Leu	Asn	Thr	Pro	
					225						230				235		
	atg	ggc	cct	gga	cga	act	gtc	gtc	gtt	aaa	gga	gaa	gtg	aat	gca	aat	953
	Met	Gly	Pro	Gly	Arg	Thr	Val	Val	Val	Lys	Gly	Glu	Val	Asn	Ala	Asn	
					240					245					250		
	gcc	aaa	agc	ttt	aat	gtt	gac	cta	cta	gca	gga	aaa	tca	aag	gat	att	1001
	Ala	Lys	Ser	Phe	Asn	Val	Asp	Leu	Leu	Ala	Gly	Lys	Ser	Lys	Asp	Ile	
				255					260					265			
	gct	cta	cac	ttg	aac	cca	cgc	ctg	aat	att	aaa	gca	ttt	gta	aga	aat	1049
	Ala	Leu	His	Leu	Asn	Pro	Arg	Leu	Asn	Ile	Lys	Ala	Phe	Val	Arg	Asn	
				270					275					280			
	tct	ttt	ctt	cag	gag	tcc	tgg	gga	gaa	gaa	gag	aga	aat	att	acc	tct	1097
	Ser	Phe	Leu	Gln	Glu	Ser	Trp	Gly	Glu	Glu	Glu	Arg	Asn	Ile	Thr	Ser	
					285		290				295						
	ttc	cca	ttt	agt	cct	ggg	atg	tac	ttt	gag	atg	ata	att	tac	tgt	gat	1145
	Phe	Pro	Phe	Ser	Pro	Gly	Met	Tyr	Phe	Glu	Met	Ile	Ile	Tyr	Cys	Asp	
		300				305					310				315		
	gtt	aga	gaa	ttc	aag	gtt	gca	gta	aat	ggc	gta	cac	agc	ctg	gag	tac	1193
	Val	Arg	Glu	Phe	Lys	Val	Ala	Val	Asn	Gly	Val	His	Ser	Leu	Glu	Tyr	
				320						325					330		
	aaa	cac	aga	ttt	aaa	gag	ctc	agc	agt	att	gac	acg	ctg	gaa	att	aat	1241
	Lys	His	Arg	Phe	Lys	Glu	Leu	Ser	Ser	Ile	Asp	Thr	Leu	Glu	Ile	Asn	
				335					340					345			

gga gac atc cac tta ctg gaa gta agg agc tgg tag cctacctaca	1287
Gly Asp Ile His Leu Leu Glu Val Arg Ser Trp *	
350	355
cagctgctac aaaaaccaa atacagaatg gcttctgtga tactggcctt gctgaaacgc	1347
atctcactgt cattctattg tttatattgt taaaatgagc ttgtgcacca ttagatcctg	1407
ctgggtgttc tcagtccttg ccatgaagta tgggtggtgtc tagcactgaa tggggaaact	1467
gggggcagca acacttatag ccagttaaag ccactctgcc ctctctccta ctttggctga	1527
ctcttcaaga atgccattca acaagtattt atggagtacc tactataata cagtagctaa	1587
catgtattga gcacagattt tttttggtaa aactgtgagg agctaggata tatacttggg	1647
gaaacaaacc agtatgttcc ctgttctctt gagcttcgac tcttctgtgc tctattgctg	1707
cgcactgctt tttctacagg cattacatca actcctaagg ggtcctctgg gattagttaa	1767
gcagctatta aatcacccga agacactaat ttacagaaga cacaactcct tccccagtga	1827
tcactgtcat aaccagtgtc ctaccgtatc ccatcactga ggactgatgt tgactgacat	1887
cattttatcg taataaacat gtggctctat tagctgcaag ctttaccag taattggcat	1947
gacatctgag cacagaaatt aaggcaaaaa accaaagcaa aacaaatata tgggtgctgaa	2007
attaacttga tgccaagccc aaggcagctg atttctgtgt atttgaactt agggcaaact	2067
agagtctaca gcacgccta cagaaagttt caggaaggag caagatgcat tcaatttgaa	2127
agatatttat gggcaacaaa gtaaggctcag gattagactt caggcattca taaggcaggc	2187
actatcagaa agtgtacgcc aactaaggga cccacaaagc aggcagaggt aatgcagaaa	2247
tctgttttgt tcccatgaaa tcaccaatca aggcctccgt tcttctaaag attagtccat	2307
catcattagc aactgagatc aaagcactct tccactttac gtgattaaaa tcaaacctgt	2367
atcagcaagt taaatgggtc catttctgtg attttcttat tatttgaggg gagttggcag	2427
aagttccatg tatatgggat ctttacaggt cagatcttgt tacaggaaat ttcaaaggtt	2487
tgggagtggg gagggaaaaa agctcagtcg gtgaggatca ttttatcaca ttagactggg	2547
gcagaactct gccaggattt aggaatattt tcagaacaga ttttagatat tatttctatc	2607
catatattga aaagaatacc attgtcaatc ttatTTTTTT aaaagtactc agtgtagaaa	2667
ttgctagccc ttaattcttt tccagctttt catattaatg tatgcagagt ctcaccaagc	2727
tcaaagacac tgggtggggg tggaggggtgc cacagggaaa gctgtagaag gcaagaagac	2787
tcgagaatcc cccagagtta ttttctcca taaagaccat cagagtgtct aactgagctg	2847
ttggagactg tgaggcattt aggaaaaaaa tagccactc acatcattcc ttgtaagtct	2907
taagttcatt ttcattttac gtggaggaaa aaaattttaa aagctattag tatttattaa	2967
tgaattttac tgagacattt cttagaaata tgcacttcta tactagcaag ctctgtctct	3027
aaaatgcaag ttggcctttt gcttgccaca tttctgcatt aaacttctat attagcttca	3087
aaggctttta aactcaatgc gaacattcta cgggatgttc ttagatgcct ttaaaaagg	3147
ggcagatcta attttatttg aaccctcact ttccaacttc accatgaccc agtactagag	3207
attagggcac ttcaaagcat tgaaaaaat ctactgatac ttactttctt agacaagtag	3267
ttcttagtta accaccaatg gaactgggtt cattctgaat cctggaggag cttcctcgtg	3327
ccaccagtg tttctgggcc ctctgtgtga gcagccaggt atgagctgtt ttagaagcag	3387
cgtgttgctt tcatctctcc cgtttcccaa aagaacaaag gataaagggtg acagtcacac	3447
tcctgggtta aaaaaagcat tccagaacca cttctcttta tgggcacaaac aaagaaacga	3507
aggctgaagt tcgcctaccc aaaatgaaaa gtaggcttta cagtcaaaag tacttctgtt	3567
gattgctaaa taacttcatt ttcttgaaat agagcaactt tgagtgaat ctgcaacatg	3627
gataccatgt atataagata ctgctgtaca gaagagttaa ggcttacagt gcaaagagg	3687
cgtcagcttt ggggtgctaaa attaacaagt ctaatattat taccatcaat caggaagaga	3747
ataataaatg tttaaacaaa cacagcagtc tgtataaaaa taccgtgtat catttactct	3807
ttctgcagct ctatacgata ggcaggagag gcttatgtgg cagcacaagc cagggtggga	3867
ttttgtaacg aagtgataaa acatttgtaa gtaatccaag taggtgtatt aaggcacc	3927
aagtaacatg gcacccaaca cccaaaaata aaaatatgaa atatgagtgt gaactctgag	3987
tagagtatga aacaccacag aaagtcttag aaatagctct ggagtggctc tcccaggaca	4047
gtttccagtt gctgaatagt cttttggcac tgatgttcta cttcttcaca ttcacttaaa	4107
aaaaaaaaaa aaaaaaatca aaattaaaa ctgagtcagt ctgcctgcct cggttctcat	4167
tagtttaatt cttaatgcct tgcactttcc aacatacatt caatcaaaag agtgaaatga	4227
agcacattaa caaagcagga ggcgccacgg accgcctccc tccacaccgc tccttccgcc	4287
ttcattcctt gccacagggc ttgcactgga agctgaataa gaatcccaa aactcaaact	4347
tcctagggat gccacccctt tagtagctca cacctcccc ctccaagagc taagaaacaa	4407

```

aggagaatgt acttttgtag cttagataag caatgaatca gtaaaggact gatctacttg 4467
ctccaccacc cctcccttaa taataacatt tactgttatt tcctgggcct aagacttatg 4527
ttccagaact gtcacagctc cccatgtcac acccactagc ttgtgatctt tgtcaaataa 4587
ctgaaatctt ttaagcctct agtttcttcc tttgtaaaac agagataaaa tgttgtgggt 4647
tttaagttag ataatccaag taaagcacct aacatggagt agtgaatgaa catcggttgc 4707
tactaaaagt ggacatccta ccgcatcctt aatgccacta ggcatctcca tacaatctgg 4767
ggaccaaacc ttcaatcata taaatgtatg aggttaatta aaaacactac tgtaatctgc 4827
ttgtatgata acaaaccacc acaaaagaaa agatcgtgaa gattacactg taaacggact 4887
ctcaaatgat caggagggtg tcacttcgca acttgctccc tccaccaaac tcaaaacagg 4947
agctcgagcc tgcctgtatt tgagactgga gctgcctgta tgaggactgg atcaactgct 5007
agtcacgtta tatccaaatc tgcattatca ttgggcacat tttcacagaa ttttactgaa 5067
ttattcctta attgtttaat ggttggaat agtttgggaa ttaccttcca tcaactctgc 5127
taagaaagga atggattctg gtagcaagac aatataattc tcctttagtt tttcagccag 5187
tgctaacaca gtaatcaaag cagcaaatcg aacctgaaag ggataaaaga gcaaagaaat 5247
aaaaagtagt gttactgtat ttattatctt aagagctgta ctgacttgag acaagctcta 5307
actttttaaa cattatgtca cacgcgttta ttcacttcatt tatgttcatt aagctttcat 5367
cttagaatca cagtttcacc atttgggagc tgtttgtaat atgtgcaacc ttataaatag 5427
tgttttccaa actgtgtccc aggactgcaa atctttaatg tgaaatgtct ttttataatc 5487
tcttccttta aaaaaaacca ataaaataaa atgccacatg caaactc 5534

```

<210> 4

<211> 2471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 201..203

<223> ATG

<221> misc_feature

<222> 1305..1307

<223> stop :TAG

<221> polyA_signal

<222> 2182..2187

<223> AATAAA

<221> polyA_signal

<222> 2444..2449

<223> AATAAA

<221> polyA_signal

<222> 2449..2454

<223> AATAAA

<221> allele

<222> 176

<223> 5-1-222 : polymorphic base A or G

<221> allele

<222> 253

<223> 5-2-162 : polymorphic base A or T

<221> allele

<222> 269
<223> 5-2-178 : polymorphic base C or T

<221> allele
<222> 303
<223> 5-2-213 : polymorphic base C or T

<221> allele
<222> 362
<223> 5-3-83 : polymorphic base C or T

<221> allele
<222> 363
<223> 5-3-84 : polymorphic base A or G

<221> allele
<222> 527
<223> 5-3-248 : polymorphic base A or G

<221> allele
<222> 749
<223> 5-7-195 : polymorphic base G or C

<221> allele
<222> 1013
<223> 5-10-39 : polymorphic base C or T

<221> allele
<222> 1461
<223> 5-262-49 : polymorphic base insertion of C

<221> allele
<222> 1497
<223> 5-262-85 : polymorphic base C or T

<221> allele
<222> 1666
<223> 5-262-254 : polymorphic base C or T

<221> allele
<222> 2267
<223> 5-263-404 : polymorphic base C or T

<221> allele
<222> 2460
<223> 5-265-244 : polymorphic base A or G

<221> misc_feature
<222> 708
<223> diverging nucleotide G in reference genbank : L78132

<221> misc_feature
<222> 709
<223> diverging nucleotide T in reference genbank : L78132

<221> misc_feature

<222> 807

<223> diverging nucleotide C in reference genbank : L78132

<221> misc_feature

<222> 1013

<223> diverging nucleotide T in reference genbank : L78132

<400> 4

```

agccgcccac ggacgccaga gccgggaacc ctgacggcac ttagctgctg acaaacaacc      60
tgctccgtgg agcgccctgaa acaccagtct ttggggccag tgcctcagtt tcaatccagg      120
taacctttaa atgaaacttg cctaaaaatct taggtcatatc acagaagaga ctccaatcga      180
caagaagctg gaaaagaatg atg ttg tcc tta aac aac cta cag aat atc atc      233
                Met Leu Ser Leu Asn Asn Leu Gln Asn Ile Ile
                1           5           10
tat aac ccg gta atc ccg tat gtt ggc acc att ccc gat cag ctg gat      281
Tyr Asn Pro Val Ile Pro Tyr Val Gly Thr Ile Pro Asp Gln Leu Asp
                15           20           25
cct gga act ttg att gtg ata tgt ggg cat gtt cct agt gac gca gac      329
Pro Gly Thr Leu Ile Val Ile Cys Gly His Val Pro Ser Asp Ala Asp
                30           35           40
aga ttc cag gtg gat ctg cag aat ggc agc agt gtg aaa cct cga gcc      377
Arg Phe Gln Val Asp Leu Gln Asn Gly Ser Ser Val Lys Pro Arg Ala
                45           50           55
gat gtg gcc ttt cat ttc aat cct cgt ttc aaa agg gcc gcc tgc att      425
Asp Val Ala Phe His Phe Asn Pro Arg Phe Lys Arg Ala Gly Cys Ile
                60           65           70           75
gtt tgc aat act ttg ata aat gaa aaa tgg gga cgg gaa gag atc acc      473
Val Cys Asn Thr Leu Ile Asn Glu Lys Trp Gly Arg Glu Glu Ile Thr
                80           85           90
tat gac acg cct ttc aaa aga gaa aag tct ttt gag atc gtg att atg      521
Tyr Asp Thr Pro Phe Lys Arg Glu Lys Ser Phe Glu Ile Val Ile Met
                95           100           105
gtg cta aag gac aaa ttc cag gtg gct gta aat gga aaa cat act ctg      569
Val Leu Lys Asp Lys Phe Gln Val Ala Val Asn Gly Lys His Thr Leu
                110           115           120
ctc tat ggc cac agg atc ggc cca gag aaa ata gac act ctg ggc att      617
Leu Tyr Gly His Arg Ile Gly Pro Glu Lys Ile Asp Thr Leu Gly Ile
                125           130           135
tat ggc aaa gtg aat att cac tca att ggt ttt agc ttc agc tcg gac      665
Tyr Gly Lys Val Asn Ile His Ser Ile Gly Phe Ser Phe Ser Ser Asp
                140           145           150           155
tta caa agt acc caa gca tct agt ctg gaa ctg aca gag ata agt aga      713
Leu Gln Ser Thr Gln Ala Ser Ser Leu Glu Leu Thr Glu Ile Ser Arg
                160           165           170
gaa aat gtt cca aag tct ggc acg ccc cag ctt agc ctg cca ttc gct      761
Glu Asn Val Pro Lys Ser Gly Thr Pro Gln Leu Ser Leu Pro Phe Ala
                175           180           185
gca agg ttg aac acc ccc atg ggc cct gga cga act gtc gtc gtt aaa      809
Ala Arg Leu Asn Thr Pro Met Gly Pro Gly Arg Thr Val Val Val Lys
                190           195           200
gga gaa gtg aat gca aat gcc aaa agc ttt aat gtt gac cta cta gca      857
Gly Glu Val Asn Ala Asn Lys Ser Phe Asn Val Asp Leu Leu Ala
                205           210           215
gga aaa tca aag gat att gct cta cac ttg aac cca cgc ctg aat att      905

```

Gly	Lys	Ser	Lys	Asp	Ile	Ala	Leu	His	Leu	Asn	Pro	Arg	Leu	Asn	Ile	
220					225					230					235	
aaa	gca	ttt	gta	aga	aat	tct	ttt	ctt	cag	gag	tcc	tgg	gga	gaa	gaa	953
Lys	Ala	Phe	Val	Arg	Asn	Ser	Phe	Leu	Gln	Glu	Ser	Trp	Gly	Glu	Glu	
				240				245					250			
gag	aga	aat	att	acc	tct	ttc	cca	ttt	agt	cct	ggg	atg	tac	ttt	gag	1001
Glu	Arg	Asn	Ile	Thr	Ser	Phe	Pro	Phe	Ser	Pro	Gly	Met	Tyr	Phe	Glu	
			255				260					265				
atg	ata	att	tac	tgt	gat	gtt	aga	gaa	ttc	aag	gtt	gca	gta	aat	ggc	1049
Met	Ile	Ile	Tyr	Cys	Asp	Val	Arg	Glu	Phe	Lys	Val	Ala	Val	Asn	Gly	
		270				275					280					
gta	cac	agc	ctg	gag	tac	aaa	cac	aga	ttt	aaa	gag	ctc	agc	agt	att	1097
Val	His	Ser	Leu	Glu	Tyr	Lys	His	Arg	Phe	Lys	Glu	Leu	Ser	Ser	Ile	
	285					290					295					
gac	acg	ctg	gaa	att	aat	gga	gac	atc	cac	tta	ctg	gaa	caa	tca	ttc	1145
Asp	Thr	Leu	Glu	Ile	Asn	Gly	Asp	Ile	His	Leu	Leu	Glu	Gln	Ser	Phe	
300				305				310						315		
aat	caa	aag	agt	gaa	atg	aag	cac	att	aac	aaa	gca	gga	ggc	gcc	acg	1193
Asn	Gln	Lys	Ser	Glu	Met	Lys	His	Ile	Asn	Lys	Ala	Gly	Gly	Ala	Thr	
			320				325						330			
gac	cgc	ctc	cct	cca	cac	cgc	tcc	ttc	cgc	ctt	cat	tcc	ttg	ccc	aca	1241
Asp	Arg	Leu	Pro	Pro	His	Arg	Ser	Phe	Arg	Leu	His	Ser	Leu	Pro	Thr	
		335				340					345					
ggc	ttg	cac	tgg	aag	ctg	aat	aag	aat	ccc	caa	aac	tca	aac	ttc	cta	1289
Gly	Leu	His	Trp	Lys	Leu	Asn	Lys	Asn	Pro	Gln	Asn	Ser	Asn	Phe	Leu	
	350				355			360								
ggg	atg	cca	ccc	ctt	tag	tagctcacac	ctccccctc	caagagctaa								1337
Gly	Met	Pro	Pro	Leu	*											
	365															
gaaacaaagg	agaatgtact	ttttagctt	agataagcaa	tgaatcagta	aaggactgat											1397
ctacttgctc	caccaccctc	cccttaataa	taacattttac	tggtatttcc	tgggcctaag											1457
acttatgttc	cagaactgtc	acagctcccc	atgtcacacc	cactagcttg	tgatctttgt											1517
caaataactg	aaatctttta	agcctctagt	ttcttccttt	gtaaaacaga	gataaaatgt											1577
tggtggtttt	aagttagata	atccaagtaa	agcacctaac	atggagtagt	gaatgaacat											1637
cggttgctac	taaaagtgga	catcctaccg	catccttaat	gccactaggc	atctccatac											1697
aatctgggga	ccaaaacttc	aatcatataa	atgtatgagg	ttaattaaaa	acactactgt											1757
aatctgcttg	tatgatcaca	aaccaccaca	aaagaaaaga	tcgtgaagat	tacactgtaa											1817
acggactctc	aaatgatcag	gaggtggtca	cttcgcaact	tgctccctcc	acccaactca											1877
aaacaggagc	tcgagcctgc	ctgtatttga	gactggagct	gcctgtatga	ggactggatc											1937
aactgctagt	cacgttatat	ccaaatctgc	attatcattg	ggcacatttt	cacagaattt											1997
tactgaatta	ttccttaatt	gtttaatggt	tgggaatagt	ttgggaatta	ccttccatca											2057
actctgctaa	gaaaggaatg	gattctggta	gcaagacaat	ataattctcc	tttagttttt											2117
cagccagtgc	taacacagta	atcaaagcag	caaatcgaac	ctgaaaggga	taaaagagca											2177
aagaaataaaa	aagtagtggt	actgtattta	ttatcttaag	agctgtactg	acttgagaca											2237
agctctaact	ttttaaacat	tagttcacac	gcgtttattc	acttcattat	gttcattaag											2297
ctttcatctt	agaataaccag	tttcaccatt	tgggagctgt	ttgtaatatg	tgcaacctta											2357
taaatagtgt	tttccaaaact	gtgtcccagg	actgcaaadc	tttaatgtga	aatgtctttt											2417
tataatctct	tcctttaaaaa	aaaaccaata	aaataaaaatg	ccacatgcaa	actc											2471

<210> 5

<211> 316

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> 18

<223> 5-2-162 : polymorphic amino acid Tyr or Phe

<221> VARIANT

<222> 35

<223> 5-2-213 : polymorphic amino acid Cys or Arg

<221> VARIANT

<222> 55

<223> 5-3-84 : polymorphic amino acid Val or Met

<221> VARIANT

<222> 183

<223> 5-7-195 : polymorphic amino acid Ser or Arg

<400> 5

```

Met Leu Ser Leu Asn Asn Leu Gln Asn Ile Ile Tyr Asn Pro Val Ile
1           5           10           15
Pro Tyr Val Gly Thr Ile Pro Asp Gln Leu Asp Pro Gly Thr Leu Ile
          20           25           30
Val Ile Cys Gly His Val Pro Ser Asp Ala Asp Arg Phe Gln Val Asp
          35           40           45
Leu Gln Asn Gly Ser Ser Val Lys Pro Arg Ala Asp Val Ala Phe His
          50           55           60
Phe Asn Pro Arg Phe Lys Arg Ala Gly Cys Ile Val Cys Asn Thr Leu
65           70           75           80
Ile Asn Glu Lys Trp Gly Arg Glu Glu Ile Thr Tyr Asp Thr Pro Phe
          85           90           95
Lys Arg Glu Lys Ser Phe Glu Ile Val Ile Met Val Leu Lys Asp Lys
          100          105          110
Phe Gln Val Ala Val Asn Gly Lys His Thr Leu Leu Tyr Gly His Arg
          115          120          125
Ile Gly Pro Glu Lys Ile Asp Thr Leu Gly Ile Tyr Gly Lys Val Asn
          130          135          140
Ile His Ser Ile Gly Phe Ser Phe Ser Ser Asp Leu Gln Ser Thr Gln
145          150          155          160
Ala Ser Ser Leu Glu Leu Thr Glu Ile Ser Arg Glu Asn Val Pro Lys
          165          170          175
Ser Gly Thr Pro Gln Leu Ser Leu Pro Phe Ala Ala Arg Leu Asn Thr
          180          185          190
Pro Met Gly Pro Gly Arg Thr Val Val Val Lys Gly Glu Val Asn Ala
          195          200          205
Asn Ala Lys Ser Phe Asn Val Asp Leu Leu Ala Gly Lys Ser Lys Asp
          210          215          220
Ile Ala Leu His Leu Asn Pro Arg Leu Asn Ile Lys Ala Phe Val Arg
225          230          235          240
Asn Ser Phe Leu Gln Glu Ser Trp Gly Glu Glu Glu Arg Asn Ile Thr
          245          250          255
Ser Phe Pro Phe Ser Pro Gly Met Tyr Phe Glu Met Ile Ile Tyr Cys
          260          265          270
Asp Val Arg Glu Phe Lys Val Ala Val Asn Gly Val His Ser Leu Glu
          275          280          285
Tyr Lys His Arg Phe Lys Glu Leu Ser Ser Ile Asp Thr Leu Glu Ile
          290          295          300

```

Asn Gly Asp Ile His Leu Leu Glu Val Arg Ser Trp
 305 310 315

<210> 6
 <211> 358
 <212> PRT
 <213> Homo sapiens

<220>
 <221> VARIANT
 <222> 18
 <223> 5-2-162 : polymorphic amino acid Tyr or Phe

<221> VARIANT
 <222> 35
 <223> 5-2-213 : polymorphic amino acid Cys or Arg

<221> VARIANT
 <222> 55
 <223> 5-3-84 : polymorphic amino acid Val or Met

<221> VARIANT
 <222> 204
 <223> 5-202-95 : polymorphic amino acid Asp or Tyr

<221> VARIANT
 <222> 211
 <223> 5-202-117 : polymorphic amino acid Leu or Stop

<221> VARIANT
 <222> 225
 <223> 5-7-195 : polymorphic amino acid Ser or Arg

<400> 6
 Met Leu Ser Leu Asn Asn Leu Gln Asn Ile Ile Tyr Asn Pro Val Ile
 1 5 10 15
 Pro Tyr Val Gly Thr Ile Pro Asp Gln Leu Asp Pro Gly Thr Leu Ile
 20 25 30
 Val Ile Cys Gly His Val Pro Ser Asp Ala Asp Arg Phe Gln Val Asp
 35 40 45
 Leu Gln Asn Gly Ser Ser Val Lys Pro Arg Ala Asp Val Ala Phe His
 50 55 60
 Phe Asn Pro Arg Phe Lys Arg Ala Gly Cys Ile Val Cys Asn Thr Leu
 65 70 75 80
 Ile Asn Glu Lys Trp Gly Arg Glu Glu Ile Thr Tyr Asp Thr Pro Phe
 85 90 95
 Lys Arg Glu Lys Ser Phe Glu Ile Val Ile Met Val Leu Lys Asp Lys
 100 105 110
 Phe Gln Val Ala Val Asn Gly Lys His Thr Leu Leu Tyr Gly His Arg
 115 120 125
 Ile Gly Pro Glu Lys Ile Asp Thr Leu Gly Ile Tyr Gly Lys Val Asn
 130 135 140
 Ile His Ser Ile Gly Phe Ser Phe Ser Ser Asp Leu Gln Ser Thr Gln
 145 150 155 160
 Ala Ser Ser Leu Glu Leu Thr Glu Ile Ser Arg Glu Asn Val Pro Lys

```

                165                170                175
Ser Gly Thr Pro Gln Leu Pro Ser Asn Arg Gly Gly Asp Ile Ser Lys
                180                185                190
Ile Ala Pro Arg Thr Val Tyr Thr Lys Ser Lys Asp Ser Thr Val Asn
                195                200                205
His Thr Leu Thr Cys Thr Lys Ile Pro Pro Met Asn Tyr Val Ser Lys
                210                215                220
Ser Leu Pro Phe Ala Ala Arg Leu Asn Thr Pro Met Gly Pro Gly Arg
225                230                235                240
Thr Val Val Val Lys Gly Glu Val Asn Ala Asn Ala Lys Ser Phe Asn
                245                250                255
Val Asp Leu Leu Ala Gly Lys Ser Lys Asp Ile Ala Leu His Leu Asn
                260                265                270
Pro Arg Leu Asn Ile Lys Ala Phe Val Arg Asn Ser Phe Leu Gln Glu
                275                280                285
Ser Trp Gly Glu Glu Glu Arg Asn Ile Thr Ser Phe Pro Phe Ser Pro
                290                295                300
Gly Met Tyr Phe Glu Met Ile Ile Tyr Cys Asp Val Arg Glu Phe Lys
305                310                315                320
Val Ala Val Asn Gly Val His Ser Leu Glu Tyr Lys His Arg Phe Lys
                325                330                335
Glu Leu Ser Ser Ile Asp Thr Leu Glu Ile Asn Gly Asp Ile His Leu
                340                345                350
Leu Glu Val Arg Ser Trp
                355

```

<210> 7

<211> 368

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> 18

<223> 5-2-162 : polymorphic amino acid Tyr or Phe

<221> VARIANT

<222> 35

<223> 5-2-213 : polymorphic amino acid Cys or Arg

<221> VARIANT

<222> 55

<223> 5-3-84 : polymorphic amino acid Val or Met

<221> VARIANT

<222> 183

<223> 5-7-195 : polymorphic amino acid Ser or Arg

<400> 7

```

Met Leu Ser Leu Asn Asn Leu Gln Asn Ile Ile Tyr Asn Pro Val Ile
1                5                10                15
Pro Tyr Val Gly Thr Ile Pro Asp Gln Leu Asp Pro Gly Thr Leu Ile
                20                25                30
Val Ile Cys Gly His Val Pro Ser Asp Ala Asp Arg Phe Gln Val Asp
                35                40                45

```

```

Leu Gln Asn Gly Ser Ser Val Lys Pro Arg Ala Asp Val Ala Phe His
 50          55          60
Phe Asn Pro Arg Phe Lys Arg Ala Gly Cys Ile Val Cys Asn Thr Leu
65          70          75          80
Ile Asn Glu Lys Trp Gly Arg Glu Glu Ile Thr Tyr Asp Thr Pro Phe
          85          90          95
Lys Arg Glu Lys Ser Phe Glu Ile Val Ile Met Val Leu Lys Asp Lys
          100          105          110
Phe Gln Val Ala Val Asn Gly Lys His Thr Leu Leu Tyr Gly His Arg
          115          120          125
Ile Gly Pro Glu Lys Ile Asp Thr Leu Gly Ile Tyr Gly Lys Val Asn
          130          135          140
Ile His Ser Ile Gly Phe Ser Phe Ser Ser Asp Leu Gln Ser Thr Gln
145          150          155          160
Ala Ser Ser Leu Glu Leu Thr Glu Ile Ser Arg Glu Asn Val Pro Lys
          165          170          175
Ser Gly Thr Pro Gln Leu Ser Leu Pro Phe Ala Ala Arg Leu Asn Thr
          180          185          190
Pro Met Gly Pro Gly Arg Thr Val Val Val Lys Gly Glu Val Asn Ala
          195          200          205
Asn Ala Lys Ser Phe Asn Val Asp Leu Leu Ala Gly Lys Ser Lys Asp
          210          215          220
Ile Ala Leu His Leu Asn Pro Arg Leu Asn Ile Lys Ala Phe Val Arg
225          230          235          240
Asn Ser Phe Leu Gln Glu Ser Trp Gly Glu Glu Glu Arg Asn Ile Thr
          245          250          255
Ser Phe Pro Phe Ser Pro Gly Met Tyr Phe Glu Met Ile Ile Tyr Cys
          260          265          270
Asp Val Arg Glu Phe Lys Val Ala Val Asn Gly Val His Ser Leu Glu
          275          280          285
Tyr Lys His Arg Phe Lys Glu Leu Ser Ser Ile Asp Thr Leu Glu Ile
          290          295          300
Asn Gly Asp Ile His Leu Leu Glu Gln Ser Phe Asn Gln Lys Ser Glu
305          310          315          320
Met Lys His Ile Asn Lys Ala Gly Gly Ala Thr Asp Arg Leu Pro Pro
          325          330          335
His Arg Ser Phe Arg Leu His Ser Leu Pro Thr Gly Leu His Trp Lys
          340          345          350
Leu Asn Lys Asn Pro Gln Asn Ser Asn Phe Leu Gly Met Pro Pro Leu
          355          360          365

```

<210> 8

<211> 1738

<212> DNA

<213> Mus musculus

<400> 8

```

gagtggttact accaccgggg acaagttttt actttgagta atccttaa at gaagagtggg      60
taaagtgtgt atacggaaga gagactccaa tcaacaatat caataagttg aaaaagaaaa      120
atg ttg tcc tta aat aac cta caa aat atc atc tat aac ccg ata atc      168
Met Leu Ser Leu Asn Asn Leu Gln Asn Ile Ile Tyr Asn Pro Ile Ile
1          5          10          15
ccc tat gtt ggc acc att act gag caa ttg aag cct ggc tct ctg att      216
Pro Tyr Val Gly Thr Ile Thr Glu Gln Leu Lys Pro Gly Ser Leu Ile
          20          25          30

```

gta atc cgt ggg cat gtc cct aaa gat tca gaa aga ttc cag gtt gac	264
Val Ile Arg Gly His Val Pro Lys Asp Ser Glu Arg Phe Gln Val Asp	
35 40 45	
ttt cag ctg ggc aac agc ctg aag cca aga gca gac gtg gcc ttc cac	312
Phe Gln Leu Gly Asn Ser Leu Lys Pro Arg Ala Asp Val Ala Phe His	
50 55 60	
ttt aac cct cgg ttc aaa agg tct agc tgc att gtt tgt aac aca ctg	360
Phe Asn Pro Arg Phe Lys Arg Ser Ser Cys Ile Val Cys Asn Thr Leu	
65 70 75 80	
aca cag gag aag tgg ggc tgg gag gag atc acc tac gac atg ccc ttc	408
Thr Gln Glu Lys Trp Gly Trp Glu Glu Ile Thr Tyr Asp Met Pro Phe	
85 90 95	
aga aaa gaa aag tcc ttt gag atc gtg ttc atg gtg ctc aag aac aaa	456
Arg Lys Glu Lys Ser Phe Glu Ile Val Phe Met Val Leu Lys Asn Lys	
100 105 110	
ttc cag gtg gct gtg aac gga agg cat gtt ctg ctg tac gcc cac agg	504
Phe Gln Val Ala Val Asn Gly Arg His Val Leu Leu Tyr Ala His Arg	
115 120 125	
atc agc ccg gag cag atc gac aca gtg ggc atc tac ggc aaa gtg aac	552
Ile Ser Pro Glu Gln Ile Asp Thr Val Gly Ile Tyr Gly Lys Val Asn	
130 135 140	
atc cac tcc atc ggg ttc aga ttc agc tcg gat tta cag agt atg gaa	600
Ile His Ser Ile Gly Phe Arg Phe Ser Ser Asp Leu Gln Ser Met Glu	
145 150 155 160	
aca tct gct ctg gga ctg aca cag ata aac aga gag aat ata caa aag	648
Thr Ser Ala Leu Gly Leu Thr Gln Ile Asn Arg Glu Asn Ile Gln Lys	
165 170 175	
cca ggc aag ctc cag ctg agc ctg cca ttt gaa gca agg ttg aat gcc	696
Pro Gly Lys Leu Gln Leu Ser Leu Pro Phe Glu Ala Arg Leu Asn Ala	
180 185 190	
tcc atg ggt cct gga cga acc gtt gtc att aaa ggg gaa gtg aac acc	744
Ser Met Gly Pro Gly Arg Thr Val Ile Lys Gly Glu Val Asn Thr	
195 200 205	
aat gcc cga agc ttt aat gtt gac cta gtg gca gga aaa aca agg gat	792
Asn Ala Arg Ser Phe Asn Val Asp Leu Val Ala Gly Lys Thr Arg Asp	
210 215 220	
atc gct ctg cac ttg aac cca cgc ctc aat gtg aaa gca ttt gta aga	840
Ile Ala Leu His Leu Asn Pro Arg Leu Asn Val Lys Ala Phe Val Arg	
225 230 235 240	
aat tcc ttt ctt cag gat gcc tgg gga gaa gag gag aga aat att acc	888
Asn Ser Phe Leu Gln Asp Ala Trp Gly Glu Glu Glu Arg Asn Ile Thr	
245 250 255	
tgc ttc cca ttt agt tct ggg atg tac ttt gag atg ata atc tac tgt	936
Cys Phe Pro Phe Ser Ser Gly Met Tyr Phe Glu Met Ile Ile Tyr Cys	
260 265 270	
gat gtc cgg gaa ttc aag gtt gct ata aat ggt gtg cac agc ctg gag	984
Asp Val Arg Glu Phe Lys Val Ala Ile Asn Gly Val His Ser Leu Glu	
275 280 285	
tac aaa cac aga ttt aaa gac cta agc agt att gat aca cta tca gtc	1032
Tyr Lys His Arg Phe Lys Asp Leu Ser Ser Ile Asp Thr Leu Ser Val	
290 295 300	
gat ggt gat atc cgt ttg ctg gat gta agg agc tgg tag ctaccatgac	1081
Asp Gly Asp Ile Arg Leu Leu Asp Val Arg Ser Trp *	
305 310 315	
tgccaaaacc cccgaaatac aaaatggctt atccggtact ggccatgtca aatgcatctc	1141

```

gctttcacca tattgtttat attgctaagt tgagctcctc caacatcaag tcctactggg 1201
gttggtcaggt ctggccatgc agtacattca gaggaacaga gccgggggcaa tcacagctca 1261
ctgccagaga ggctctgcac actgggtccc tcttataaac cacactcagc aaatatttaa 1321
gtgcctaata tactacatat actagctaag agggatggca agcatacttc ctttgtatat 1381
tctctgagcc gggcacagac atggcagggc ccagaacttg tgtgggtccat gttttctagc 1441
acttcgtacc agtttctggc ctcctaagt agggctcttc tgctggcatt gcattaaccc 1501
cactaggggc ctttgcagtt aaggtcagaa aaatatacta atggatggca aacactactt 1561
ccccagcaac ctttttcata atcagcattc tatcatatct cataattgaa gactgcatag 1621
catttactta gctctcaccg ctttaaactt tataaaatgt atgatgctga acacagcaga 1681
aaaactgagg ccaaaaccct gaattatgac aaaacaagtg ttctgctcca agcagat 1738

```

<210> 9

<211> 316

<212> PRT

<213> Mus musculus

<400> 9

```

Met Leu Ser Leu Asn Asn Leu Gln Asn Ile Ile Tyr Asn Pro Ile Ile
1          5          10          15
Pro Tyr Val Gly Thr Ile Thr Glu Gln Leu Lys Pro Gly Ser Leu Ile
          20          25          30
Val Ile Arg Gly His Val Pro Lys Asp Ser Glu Arg Phe Gln Val Asp
          35          40          45
Phe Gln Leu Gly Asn Ser Leu Lys Pro Arg Ala Asp Val Ala Phe His
          50          55          60
Phe Asn Pro Arg Phe Lys Arg Ser Ser Cys Ile Val Cys Asn Thr Leu
65          70          75          80
Thr Gln Glu Lys Trp Gly Trp Glu Glu Ile Thr Tyr Asp Met Pro Phe
          85          90          95
Arg Lys Glu Lys Ser Phe Glu Ile Val Phe Met Val Leu Lys Asn Lys
          100          105          110
Phe Gln Val Ala Val Asn Gly Arg His Val Leu Leu Tyr Ala His Arg
          115          120          125
Ile Ser Pro Glu Gln Ile Asp Thr Val Gly Ile Tyr Gly Lys Val Asn
130          135          140
Ile His Ser Ile Gly Phe Arg Phe Ser Ser Asp Leu Gln Ser Met Glu
145          150          155          160
Thr Ser Ala Leu Gly Leu Thr Gln Ile Asn Arg Glu Asn Ile Gln Lys
          165          170          175
Pro Gly Lys Leu Gln Leu Ser Leu Pro Phe Glu Ala Arg Leu Asn Ala
          180          185          190
Ser Met Gly Pro Gly Arg Thr Val Val Ile Lys Gly Glu Val Asn Thr
          195          200          205
Asn Ala Arg Ser Phe Asn Val Asp Leu Val Ala Gly Lys Thr Arg Asp
210          215          220
Ile Ala Leu His Leu Asn Pro Arg Leu Asn Val Lys Ala Phe Val Arg
225          230          235          240
Asn Ser Phe Leu Gln Asp Ala Trp Gly Glu Glu Glu Arg Asn Ile Thr
          245          250          255
Cys Phe Pro Phe Ser Ser Gly Met Tyr Phe Glu Met Ile Ile Tyr Cys
          260          265          270
Asp Val Arg Glu Phe Lys Val Ala Ile Asn Gly Val His Ser Leu Glu
          275          280          285
Tyr Lys His Arg Phe Lys Asp Leu Ser Ser Ile Asp Thr Leu Ser Val
290          295          300

```


Asp Gly Asp Ile Arg Leu Leu Asp Val Arg Ser Trp
305 310 315

<210> 10
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> sequencing oligonucleotide PrimerPU

<400> 10
tgtaaaacga cggccagt 18

<210> 11
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> sequencing oligonucleotide PrimerRP

<400> 11
caggaaacag ctatgacc 18

<210> 12
<211> 106746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8187..8187
<223> n = a, c, g, or t

<220>
<221> misc_feature
<222> 14867..14867
<223> n = a, c, g, or t

<220>

<221> misc_feature

<222> 14970..14970

<223> n = a, c, g, or t

<220>

<221> misc_feature

<222> 29204..29204

<223> n = a, c, g, or t

<220>

<221> misc_feature

<222> 29487..29487

<223> n = a, c, g, or t

<220>

<221> misc_feature

<222> 34266..34266

<223> n = a, c, g, or t

<220>

<221> misc_feature

<222> (402)..()

<223> polymorphic base; w= A or T

<220>

<221> misc_feature

<222> (67092) .. (67092)

<223> polymorphic base; y=C or T

<220>

<221> misc_feature

<222> (68525) .. (68525)

<223> polymorphic base; y=C or T

<220>

<221> misc_feature

<222> (82234) .. (82234)

<223> polymorphic base; y=C or T

<220>

<221> misc_feature

<222> (82393) .. (82393)

<223> polymorphic base; y=C or T

<400> 12

ttggcttggc	agggcaacca	gctcaccaga	ctctctgcag	acccgaagtc	attacataca	60
gtatgataac	aggggaatgga	cccgaccagc	atttgctgga	gatgatatct	ggtgtcagcc	120
cgacaggccc	ctacctgctt	ctcttgatat	gcaggaatcc	cttcaagctc	caacaagatc	180
tgtttaatat	actggagagt	cctttagttc	cttcctctaa	gggaaaatca	gatcgttctg	240
gtttgcttgg	taactcctta	cttcatccct	gatgggaagt	ttatagaatg	aggaaccagg	300
gctattacat	gaaactataa	aactgcctag	agcacatact	tggtatTTTT	aacattgttg	360
agagggactc	acttaattca	gccttgcagc	tattgcattc	cwgtccaaac	caacggcagg	420
ttctcaaaac	aagcggtgaa	agggttcctg	ttgcagagct	gtctggacat	ttaaagaagg	480
gagaggaaat	ctcaaggggt	cggttgcact	ggaatagaaa	tcgcctgttc	tttttttttg	540
agacggagtc	tcgctctgtc	acccaggctg	gagagcagtt	gcgcgatctt	tgctcactgc	600
aacctctgcc	tcccgggttc	acgccattct	cctgcctcag	cctcctgaat	agctgggact	660
acaggcgccc	gccaccacgt	ctggctcatt	ttttgtattt	ttagtagaga	tggagtttca	720
ccatttttagc	caggatggtc	tcgatctgtc	gaccttgtaa	tccaccgcgc	tcggcctccc	780
aaagtacagg	gattataggc	gtgagccacc	gcgcccaggt	gcctgttcct	tttttaagag	840
tctcactctg	tcgcccaggc	tggcgtgcag	tggcgcgatac	tctgcttact	gcagtctccg	900
tctcctgagt	tcaaatcaag	cgagaaatca	cttgttctct	tctgtgaacg	gaagcatcgc	960
agatctctct	tggcctcaca	ctcctccatc	tccctgattc	ctctgttctt	catttaccta	1020
ccttcccagc	agtctgcaga	gctggccgct	cactcacctc	tagtaagggg	atggagggtc	1080

ctgtgttggga	ataactcact	gaccgctaga	aagttaaaaa	taaatgggta	atgccaggag	1140
aacttggtctg	gtgccttaaa	agccatagaa	cttctctttc	catctgtaga	taactgtaga	1200
caattttgtc	caaaacagat	aatgatctga	ttctacctcc	cattgggtatt	tcccttcctc	1260
ggcctgtgac	atctcacttt	ctctagactg	aactttatcc	cagactgtga	ccttgccatg	1320
acettcctcc	tgcgtgtgcc	tctgccacca	caggaatggc	cacgcctcag	atcatgtcac	1380
cgctgggaac	aaaccctcta	cctgcgactc	tgaagtcccc	tctctgaccc	tcttttcttt	1440
cttccccctcc	ccccctccct	cactccctct	gcacctgtgt	ttcgctgtca	cgctcccaac	1500
tcacccctgt	agagctgggtg	aagagatgct	gatgtagttc	ttgaccttga	accccagccc	1560
tgcagccgtc	ctgtggcctc	actgacccag	cgctatgccc	tggcaagca	ttttggtgat	1620
gctcttgggtg	atthttcaatg	ggacctgcct	tgccaagccc	tgggcttagg	tgaaccagga	1680
ccacctgcat	tctatgtttt	tgattgctgg	aaaaaatca	tgaatgtca	actgttgttc	1740
tcatttttcc	cactgccagt	tcctgctacc	caacctccgc	cctcatttca	aggccttgag	1800
tacttttttt	ctatagtga	gtctcccaa	aatgatattt	ttttaaaaa	gaaaagccat	1860
agtactctga	ttttagtggtg	tctgttaata	cctatgggct	ttgacttgtt	tctgttttta	1920
gacctagaca	aaataaaaata	tctgtggtaa	aacataattca	agtttaccgg	gcacgggggc	1980
tcacgcctgt	aatcccagca	ctttgggagg	ctggggcagg	cagatcactt	gagcccagga	2040
gtttgagacc	agcctgggca	acagggtgaa	acaacatctc	tacaaaaata	caaaaaatac	2100
ctgggcattg	tgggtgcatgc	ctgtagtgcg	agctactcgg	gagactgagg	tgggaggatg	2160
gcttgagctc	tggaggcgga	ggtcatagt	agccaagatc	gtgccactga	actccagcct	2220
gggcaacaga	ggcagattct	ttctctctaa	aaaacataaa	ataaaaaaag	gccaggcgca	2280
gtggctcaca	cctgtaatcc	cagcactttg	ggaggctgag	gggggaggac	gaagaggtca	2340
ggagatagag	accatcctgg	ccaacatggt	gaaacctgc	ctctactaaa	aatacaaaaa	2400
ttagccgggt	gtagtgggtg	atgcctgtaa	tctcaactac	tcaggaggct	gaggcaggaa	2460
aatcgcttga	accaggagg	cggaggctgc	agtgaagcaa	gatcgacca	ctgcactcca	2520
gcctgggtga	cagagcaaga	ctctgtcccc	cacaaaaaaa	aataaataaa	taaatcaggc	2580
caaagggcaa	aaatgcttgc	tttttagcac	ttagtagtta	tttccccaa	aagagcggga	2640
gagaagttaa	ttaataatga	aactggacag	ttctttatca	gctctaattg	tttgactcaa	2700
tggcttctct	tctcattacc	atgcagtgtc	ctgctggctg	caatgccttt	gaacttcaca	2760
agaaggttag	aatttcactg	agacattcgg	atgggtgtggg	tgtcagggtg	cagctctcac	2820
acatagttag	gagtgtaaat	tgatacaact	ttatggaaaa	ttaattggga	gtaccatttc	2880
acactcctgt	ctagcaatct	cactttaagg	acttgatcct	acagaactca	ttacatgggtg	2940
caaggttcac	agtgtggcat	tcaaaataga	gaagagctgc	gggtaactcc	catgcccgtt	3000
ggcaggaact	ggttgaataa	attatgggtg	atcagtgtctg	tggggatatca	ttaaaccatt	3060
aaaaagaaga	gagagtcctg	gccttaaaaa	aaacttatct	gatgtattgt	taaacagata	3120
aagcaagtgtg	tagatcaatg	tgatttgggg	ctaaaaaaat	atttctatat	aggtgtgaac	3180
atggccatga	ctaaggaatc	aggaaggaag	tacctagatt	gtaaccagta	acatgtcggg	3240
agtgagatgg	gattgagaga	cgtaataata	gattgagaga	aaaagatttt	cccatctctt	3300
tttgattttt	taagaaaaca	gcatgatttt	cagtaatttt	tacttttgtg	tgtttttggg	3360
atthtttctt	tttctttttt	tttttttttt	ttttgagacg	gagtttctct	cttgttgccc	3420
aggctggaat	gcgatggccc	agtcccagct	cactgcaacc	ttcacttccc	aggttcaaga	3480
gattctcctg	tctcagcctc	ccgagttagt	gggattacag	gcccctgcca	ttacgcccag	3540
ctactttttg	tatttttagt	agagatgggt	ttcaccgtgt	tggttaggct	ggtttgaact	3600
cctgagctca	ggcgatctgc	ctacttcagc	ctcccaaaat	gctgggatta	cagccgtgag	3660
ccaccgcccc	cagccggtat	tttttcaaat	caaagaaaaa	ataatagagt	aaatcatcca	3720
aaacttttaga	tggatatttag	actcagtaaa	cttttcatat	atgacagatg	aagccaaatg	3780
gtctttctgt	gcagtcagct	agcacacaat	tgtgcacccg	aggaaaatta	gagactgaac	3840
cgggggtgtc	gtggatgcat	ttcctcagca	ttcagccttc	cttttgcccg	tgttctagca	3900
ttacttctgt	cctacagcct	gggatttgtg	aatgaaatag	acaggtgcaa	aaactccctg	3960
cctgtctgta	atatccatag	ccccgtgctc	tacttgtatt	tgcatgtaca	aaccataatc	4020
tctgtaaaa	tactctgtga	tatttctgaa	taataataaa	ctctacatcc	tacacaaagg	4080
caaaaaccct	gtatctttca	tctttgaaac	catagcaaa	gtatgaaatt	acacctgagc	4140
atgcctggcc	tcaaagtcct	ggaacggtta	tgtctttgac	cctcacttca	actcaactcc	4200
agaagaagca	ggtcttctct	gtaattggat	agaaaactca	ttgtagagaa	gaaagatcta	4260
cagggtcaaga	aaccacaggg	tttgcgtgaa	tccgagcaaa	gcactgtagc	atthttttta	4320
tattttcact	cttcttattt	agctcttttt	tttttttttt	ttttgagatg	gagtttcttt	4380

cttgtcaccc	agcctggagc	aatgggtgcc	tctcggtcca	ctgcaacctc	tgccctccag	4440
gttcaagtga	ttctcctgcc	tcagcctcct	gagtagctgg	ggttacaggc	tcccaccgcc	4500
acaccagcc	aattttttgt	attttttagta	gagacggggt	ttcaccatgt	tagccagact	4560
ggctctcaaac	tcctggcctt	aggtgatcca	cccgcctcag	catcccaaag	tgctgggatt	4620
acaggcgcac	cggccttagc	tcttttatcc	ttaatgaaat	gctcctcatt	ccctgaggtc	4680
tcacttgaat	tcttgcccac	ctctggggtg	ccttcctcct	ctgtctgtgc	tttghtaacac	4740
gtgggttcctt	atgatgtcaa	tatttatgca	tatgtcttca	ttccattact	ggattataat	4800
cttgaagcaa	cagatttttg	tctctatata	ccagagccta	gaatggattc	ttacactggg	4860
cagtaagtac	ttaataaatg	tatcccaaata	caaataaata	catttcttct	ttttcttttc	4920
tttttttttt	ttttttgaga	caggggtcca	ctctgtcacc	caggctggag	tgtaatgaca	4980
tgatctcagc	ttactacagc	ctcaatctcc	tgggcttaag	caatcctccc	acctcagcct	5040
cccacatagc	taggactaca	ggcgctcacc	acaacacctc	atttttgtat	attttttgta	5100
gagattgggg	gatctcacta	cgttgccccg	gctgggtttg	aacttctggg	ctcagacaat	5160
ccaccacctt	tggcctccca	aactgttgag	attacaggaa	tgagccacca	ttccctggcc	5220
aaatacattt	ctaaaagcca	gtttctggag	tatactgtca	aataatagat	atatgtccac	5280
atttttatac	ggacttatat	tgtaagaaaa	agtaaaaaata	agtgtgaagt	tattacagta	5340
atagtaatta	ttttgcagaa	aaagaactga	gtttaaacag	gctttttaga	aaaacccaac	5400
aggagattca	cagtctggta	ctaacgttta	gacatggatc	atcagtaaat	gtgttccaaa	5460
gagttacaca	gataccagct	ttgtcttggg	aattcttacc	cctgaaaatt	gattgactat	5520
cactgactgt	gtgacatgag	aaagttttgt	gggggttttt	ttttgtattt	ttttgagacg	5580
tatcttgctc	tgtcacccaa	gctggagtcc	actggcgcca	tcttggtcca	ctacaacctc	5640
tgccgcctgg	ttcaagcgat	tctcctgcct	cagcctccag	aatagctgcg	attacaggca	5700
cctgccacca	tgcccggtta	atttttgtat	ttttagtaaa	gacgggggtt	catcgtgttg	5760
gccaggatgg	tcttgaactc	ctgacctcag	gtgatctgcc	cacctcagcc	tcccaaagtg	5820
ctgggattac	aggcatgagc	caccgtgccc	agcctgaaaa	agttttgaac	ggctctaaatc	5880
catatgctgt	gaatcctatt	accatcacac	acttaggcat	ttaaaatcat	attttcaagg	5940
ccaggtagctg	aaatattttc	tgcaagcaga	gagatcaaac	tttagcattg	ttattcttgt	6000
agtagtttca	tagtttgagg	tcttagattt	aagtcttcca	ttgattttga	tttgattttt	6060
gtatatggag	ataggggtct	agtttcattc	ttttgcatat	ggatatccag	ttttcccagc	6120
accatttatt	gaagagactg	tctttttcac	cagtgtatgc	tcttggcacc	ttcgtcaaaa	6180
atgagttccc	tgtagggtgtg	tgggtttgct	tctgggtctc	tattctgtcc	cattgggtcta	6240
agtgtttggg	tttatgctac	taccatgctg	gttggtatag	ctctgcagta	taacttgaaa	6300
gcaggtaatg	tgattccaaa	gaagctagtt	aagtaattga	gctaaactgg	aacctcaggt	6360
gtagaagtca	taagcgtggg	gagcgtttct	tctcaggttc	tctgcctata	atttagtttg	6420
ccacaccaga	tgaacagtga	caacttggtc	ttggtgttcg	tggtgggttc	caaccaaact	6480
ttggtcataa	caggtgaacc	agcctggggc	atgctttccc	attcgggttat	cctccccata	6540
gtttgcaaag	tagcaaagat	gaactcttca	tgagttggct	aagcatagac	atttcaagac	6600
caaactaaac	gtcctgaaga	gcatgtttca	cagaaaacta	gcccctaagg	gaccagtggg	6660
ggctgtcaga	gaacaaggtt	tcaacgtact	gagttttaaa	gatctaattg	gcttttaata	6720
acaattcatg	aaccaggcac	catagtctac	aaaatagaca	gggtttctgc	tgggcactgc	6780
aggacagttg	gtttttggaa	ggtggcttga	gcaggaacaa	ggaaaaagca	ccgtgccaaag	6840
agtggattgg	ttaacatcag	gggacttcgg	gtgactttcc	ttctatgggt	taaagcaaag	6900
gggacttccc	tagcatgtca	gctcagggtg	actgggcccc	tttggtattg	ttgctgtgaa	6960
tctcctagtt	ttttttgttt	tgggttggtt	tgggtctttt	ggggaaaacg	ggccagtttg	7020
gagattcagc	tattatttct	ctctcctgat	atcagaagat	cagatcttat	gagtacacag	7080
ctgaggtttt	gggttggtga	tgtggaaccc	tgggtgtgagt	gactccattt	tgggttggtc	7140
tattgggggtc	tgggtgcagg	agctcagtc	aaatcagtg	cctctcctca	tttttatttg	7200
acttctccat	caatctatcc	gtgtctcccc	tcacatcagt	ccattcccc	gtgggctgca	7260
cattcagctc	ggagctgaga	gcttttccca	gggtgtgccc	tggggtttct	gctgcttgca	7320
gctgatattt	aaatctcagg	tgtaaatctt	cagaggcaac	tgttccttag	taccagagc	7380
tttcagctcc	ctgagcagaa	atgggacttg	actgtcagtt	tataaactaa	ccaagggtgtg	7440
aaattcatgc	aacttagccg	actttctgtt	caaagaattc	ttggcagcag	ttaatacatt	7500
ttgccccaat	ataagataat	tcccttgtac	tcacaatgag	aaagttttac	aaaatggggg	7560
ttttcttttag	tttacttgaa	tataaaacat	aggtgttcca	ctctgcagta	ccttaacagt	7620
tcttaaggag	atgtttgaaa	caacccatgt	ccaggcctca	cacctcgcca	attaaataaa	7680

tgagaagttc	ttcccagcca	gtgttaagaa	aaattaacat	caagtttttag	gaaggtagac	7740
agattatgca	aatgcatacc	tatatgattt	aagttattac	attaattttac	acacacatat	7800
ttaaaatcat	agattaatct	aatttagaga	tgctgcattt	tttccatctc	tcctgtttca	7860
taaatgttat	tcacacggca	tttctctgct	atcctcggaa	tagtgtttgt	atcgtgtcac	7920
tctggcacgg	ggctctacag	aacatgtcga	gcgtgttgcc	ttccctactg	cccacatcgt	7980
ttgagagaac	acatttttaa	cattttttta	ttgtggtaaa	atacacataa	cataaaagtt	8040
acgattttta	ccttttttaa	ctctgtcatc	caggctggag	tgcagtggcg	agatcttggg	8100
tcactgcaac	ctccgcctcc	taggtccaag	tgattctcct	gcctcagcct	tcgagtagc	8160
tgggattaca	ggtgcacacc	accacgnccg	gctaattttg	tatttttagt	agatgcgggg	8220
tttcaccatg	ttagccagg	tggtctcgaa	ctcccgacct	cagggtgatca	gcccgcctcg	8280
cctccccagt	gctgggatta	caggcgtgcg	ccactgtgcc	gggcccattt	taaccacttt	8340
taagtgcaca	gttcagtggc	attaagtata	ttcgcgggtg	tgtgcgaccg	tcaccaccat	8400
tcacctccag	aacttctctg	tcttcccaaa	ctgaaattct	gtaccatttg	aacggtaact	8460
ccccattccc	catttctgct	tcctaggccc	tgacatggag	gctgggccaa	cggatatctc	8520
acctcccttc	aggcttctcc	agatttgccc	ccgtttttct	ccctctttgt	cccatctcca	8580
aagaaatggg	gtcttttcat	catcaaggtc	catcccttgc	tccttgaata	cactccaggc	8640
ccagtggaac	aggcatcctg	tgggggtgcac	ggacaggggtg	cctgggggaa	accaggggca	8700
cagaaccag	accggggggt	tggagaagg	gtcctagcag	aagtgatgtc	taagctgagg	8760
ccctacagat	aagagaaagt	aagcagatga	aagggctggg	gaggggtggc	tttcaggcct	8820
acacaaccac	acgcgtgttc	ttcagccatc	tccatggcct	cactgcccac	ctggtatcag	8880
ccggccacca	ccgggctaga	acggctttca	aaatcgctgc	tcgtctactc	ctcaccaaat	8940
cttgtcttca	cttggtgtct	aagcccatca	cctttctgca	agtattattt	tttttttttt	9000
ggagatggag	tctcgtctctg	tcacccgggc	tggagtgcag	tggttcaatg	atagctcact	9060
gcaaccttga	actcctgggc	tcaagatcct	cttgccacag	cctcccaaag	tgctgagatt	9120
acaggcacaa	gccaccatgc	gtggtccttg	ctgcaacttt	tttttttttt	tttttttttt	9180
ttttgagaca	gaatctcgct	ctgtcgtctc	ggctggagtg	cagtgggtgtg	atctcggctc	9240
aatgcaacct	cgccctcccg	ggttcagggtg	attctcctgc	ctcacccctc	tgagtagcta	9300
ggaacacagg	cgctcaccac	cacatccagc	taatttttgt	gttttttagta	gagccggggg	9360
tttgccatgt	tggccaggct	tctctcaaac	tcttgacct	cgggcgattg	gcccgcctcg	9420
gctcccaaa	atgctggaat	tacaggcatg	agccaccgtg	cctggccatt	tgctgcaact	9480
tttgacactg	ctccccctgc	ttttcttccc	ctctctgacc	tcctttctct	gctgtccttt	9540
cgttccttcc	tctgccatg	aagtgtcctt	ctcaggctct	tctcaagggt	gtgaccttac	9600
agctgtctct	tcatttccag	tcatttcttt	cataatcact	ttgacatcct	tattttctatc	9660
tctgcccctg	gcctctccca	gggaccagga	ccatgcattc	agctcctggg	ggcatctcaa	9720
gcttggtgtg	tgtgagcctg	cccttggtgt	cttctccgtc	acctcttcac	agcttgctct	9780
gcatttcacc	tcctttcctg	ttttccccag	tgatcgcatt	tctacagcgg	ctctcacttc	9840
atccccctct	ctcctagagg	agtgatgcgg	agtctcatta	atccttgctt	atgtcattct	9900
tcccccttct	ctgtccatca	cctccacatg	tctgttcccc	ccatgcgtcc	tacactgtag	9960
ccagggtggg	atttctgtgt	ctggctcttag	acacccccctg	aggataccct	gcttcaggcg	10020
agagccctca	gtgactccct	gttgtccgga	atgacgtcca	gctccttgga	cagtccccag	10080
tgtattcacc	tgtctcatct	ccttcttttc	gttttggttg	ttttctttaa	cttccagccc	10140
gatttctgaa	tcattctccct	cttgccccctc	ccattgcctt	tgcttaagac	taaagtctcc	10200
ttcctcccaa	gtccccactg	cccagatttc	agcagggtcc	atctcaaaca	tgtctgtctc	10260
caagaaactg	cctctgattt	ttttcataag	aagacacctg	tcctctctga	cttcatctgt	10320
acccctctct	tggagtcac	tatcttggtc	cttgcatctt	cggtgtttta	gtggctctcca	10380
tttcccagca	tatcttgagg	tcaagggttc	aggctatttt	atctttgtct	atgcattgca	10440
atatgggggt	ttttacatat	tagctgtctc	ataaatcggt	gttgaataaa	ggcatgtgta	10500
tgctttcatt	aagactatga	aaccacaaa	aatcagtggt	tttccctatt	cacccttaga	10560
aaacaaacc	acaacatagc	acaacctgat	attcagagct	aagaacaaag	gtcatgcata	10620
ttaatctaaa	ttctatcttt	atcaactttc	acaagtaatt	cgtatttccc	tgtctgcatt	10680
acggggatga	ttctggccag	acattgacct	tggtaaaatt	tcctccagat	tatgagaaat	10740
caagtcaaat	atgccaagta	acatagtttc	tacttagagt	caggttcatg	ttttgacagg	10800
aacctcaaat	accacaaaat	ctgtcaagtt	ctaactattg	tatctctcga	cagtacctga	10860
agttcctgtt	tctgtttcct	cagcccagg	ttccaattca	gtgagcagaa	cggtgactgt	10920
gttggtaaaa	gagccacat	acctgccgga	tcttcgagga	gtgttcgaga	tgcaaacagg	10980

cggttctcca	catgacctgc	ggagtaatga	ctagtgtccc	taaagtcattg	gggcttctgg	11040
ggtagcctt	gaaaaaagct	aaaggttgca	tagagagaga	tttctatccg	ttcagagact	11100
cactataatt	ctctctttct	gtctctgtcc	ttcatctggt	tctctctttc	tctctcactc	11160
tctctctctg	atacacacac	acacacacac	acacacacac	actcacactc	acacactcct	11220
gagtaaggga	aattgtgagaa	gaaggtaaaa	cttcaactaa	atgaaaagaa	attgtatgaa	11280
ttatggtaag	caggttggtt	tttagttcca	gtaaagatag	aaatattttag	attacttagg	11340
agaaaagtct	agctggtaac	acatgggaat	gtgcctgtgt	gaaaacaaaa	caaaacaaaa	11400
aattctaggct	tgtgggttagg	tgaaggtagt	tacactgctg	agacatggcg	atgggtgagc	11460
ttgggatgag	gagaaaggct	tctctgagaa	gattaagaga	gaaagattgt	ttaaaaatgt	11520
ttaaacatgc	tgggcactgt	ggctcacacc	tgtaatccca	acactttggg	aggccaaggt	11580
gggaggatca	tgaggctcagg	agttcgagac	catcccggcc	aacatgggtga	aaccctgtct	11640
ctgctaaaaa	tacaaaaatt	agccaggcgt	gggtggcgggt	ggctgtagtc	ccagctactt	11700
gggaggctga	ggcaggagaa	tggcgtgaac	ccaggaggcg	gagatgcagt	gagccgagat	11760
tgtgccactg	cactccagcc	tgggcgacag	agcaagactc	cgtctcaaaa	aaaacaaaaa	11820
aacaaaaaaa	aaacacacat	tgacaccagg	acggagttag	cacatcttta	caggtgagac	11880
tctcagaccc	gagaaaaatg	aggcacttta	gagctgagct	aatcccacag	ccacctcaac	11940
acacaaacgg	ggaatctgag	acccgcattg	gcaccgtgcc	tgaggttcta	aagcccaggg	12000
cttctgactc	gcctcttggt	cttcttcagt	actgtgggtg	ggggtggggt	gggggtgac	12060
attagctgat	gagaaagatt	ttggttttag	aaagatggag	ttaacataaa	cgaagggtga	12120
ctgggactgg	tctcctctgc	tgacttcatg	ggaagcacac	acacgcacac	acacacacac	12180
acacacacac	acacacacac	atacacacac	ctgtccaaga	tcagaaaaaa	tccttcacat	12240
ccctgtagca	tgatcctgat	tgtaaaaatg	gagccctaata	cagaagggca	gaagcatgat	12300
tgcctctcaa	gagatttgga	cgccactttt	tcatagttag	ttttagctgc	tttgcgatat	12360
atactgaaat	aaatagaaaa	gggaaagaat	tgtaacctgg	attgacagac	aacaagccct	12420
gacagacaaa	aagcagataa	gaaataaaat	aagggaagata	acccataatg	taaaataaaa	12480
atagcacatt	gttgcattga	ttgataccct	tttttttttt	tctttgagat	cttgcctctgt	12540
ctttcaggcc	gaagtacagt	gtctcaatca	tagctcactg	cagcctccag	cttctgggct	12600
caagcaatct	tcccattctca	gccacccaag	tagctggggc	tgagggcacg	aactatgggtg	12660
cccagctgat	aattttttaa	aatagggaca	ttagtgcatt	tagcaaattt	gagtgtctgc	12720
tgtgtatcaa	gcactgttct	gggcactggg	acagcacagg	gagcaaataa	acaaaagccc	12780
ctgcgctcaa	ggtgctcgta	ttctagaggg	agatgctgag	ttcacctccc	attaaaaatgc	12840
cattctcaag	atccagtccc	tccaccacc	ccagccccc	gggttttggt	ggaaatttaa	12900
ctaagttgga	agatttgtaa	tatctccatt	cacatttgga	tatgatttta	atgaagggtg	12960
ctttttgggt	tttagggaga	agaaaatggc	tttccagata	gcactggaga	tcctcttcca	13020
ggtaaatgat	tgattctaaa	gctatctggg	ctaatagcta	gtgtggctga	ataaaaagata	13080
atttgaggcc	agggctcgggtg	actcatgcct	gtaattccag	cacttttgga	ggccaagggtg	13140
ggcggatcac	ctgaggctcag	gagttcaaga	ccagcctggc	caacatggta	aaaccccgctc	13200
tctacaaaaa	atacaaaaat	tagctgggtg	tgggtggcgc	ctgtaatccc	agctactcgg	13260
aggctgaggc	aggagaatcg	cttgaacccg	ggaggcggag	gttgcaagtga	gccaagatca	13320
caccactgca	ctccagcctg	gacaacagag	cgaaactcca	tctcaaaaaa	ttaaattaaa	13380
taaaataaat	aatttgagac	tatgtttatc	attaacttta	aaatctgtac	tgagaatag	13440
agcaactttc	tacctgcggt	gcactgcagg	gaaagccgta	tcttacaaga	cttcacaaaa	13500
gccttcaaag	agtattttct	ctgcactaac	cttcctttgc	atgtgagggg	cacggcaggg	13560
ttctgaatgg	ggcaggttta	ggatcaggcc	agtcgggact	gagtggattc	ttcttccctc	13620
tgagttctaa	gagccatagc	attggtggag	aacatgctgt	ttgttgcttg	gtggaaggga	13680
ccagaagcca	gctgggtcat	ctctctgttt	gtgccttggc	cacttaggta	gccaaaggag	13740
ccctcctgac	attaggtcag	gtgttagtcc	ctctcctttt	ctgcttttag	tgtgtttaag	13800
caaataaaca	ttaaagttca	tttctccccg	ctcccccttt	ttaatcataa	gacagacatg	13860
tttgcaatgt	ttaaatttct	cattaatcag	aaggatagg	gagtgaaggga	gtaagcatta	13920
aaataagcta	gcaaattggc	aggtgtggtg	gtcacacct	gtaatcccag	gactttggga	13980
ggccaagggtg	ggcagatcac	ttgaggccag	gagttcaaga	ccagcatggc	caacatggca	14040
aaactccatc	tctactaaaa	atacaaaaat	tagccaggcg	tggatgggg	cacctataat	14100
ctgagctact	cgggaggctg	aggcagagaa	ttgcttgaac	ccgggaggga	aagattgcag	14160
tgagctgaga	ctgcaccact	gcattccagc	ctgggtgaca	gagcaagact	ccatctcaaa	14220
aaaatgctag	caaaataata	ataataataa	taataaaaaca	tacctacca	acatttttcta	14280

catcttgtaa	agcatacatt	gactgactga	agtcaccaga	gttttgtttc	tttctttctt	14340
aagcagggtg	gggaacccgt	agagccctca	ggggcagcta	tcatcagccc	aggtaaccaa	14400
gctgaaaaac	cagaaggtgc	agtgcgtact	caactttttc	cccttagaaa	cacgatatta	14460
gaaaatacac	caataccaac	atgtgagcaa	cagttctctc	tgggaaggtgc	agttctgggt	14520
gatttttttt	tcattccata	gatttttttt	ttcttgagac	ggagtttcgc	actcttggtg	14580
cctaggctgg	agtgcaatgg	tgcgccacca	cgcccggcta	atttttgtat	ttttagtaga	14640
gacgggggtt	caccatgttg	gccaggctgg	tctcgaactc	ctgacctcag	gtgatccacc	14700
tgcttcggcc	tcctaaagtg	ctgggatgac	aggtgtctca	ctatgttgcc	taagcttttc	14760
tcgaacccct	gagctcaagc	ctcctcccac	ctcagccatc	caaagtgtctg	ggattacagg	14820
catgagccac	cacgcctggg	gagtttttat	tttctttcca	ctatccntat	atttctaaaa	14880
tttctaaca	gagctgggat	cagaactgcc	cctccgcatt	taatctgtgt	atacaaagt	14940
atatataaca	aatgatcaca	tggtggtaan	gtataccttg	ctgcatgggtg	aaataaccaa	15000
ggaaacttct	aaaagggtta	ctgtgggttg	cctgggtaat	gggagcatta	attttttcca	15060
tatgctcatc	tgaattttca	gatttgctat	gacaagcaca	tattttattt	ctaattttta	15120
aaatctatat	ttaaactcct	taaagactaa	caccctacac	actaatgtgg	cacgttagct	15180
aaaataaaaa	taaatacaga	aatttgttta	gaaatatttg	taaacccttc	aaggactcct	15240
ctgaatgata	gtcattatta	attagcaggt	taattttta	caggcttctg	gtcatcttca	15300
aacatttttt	acttgtgtca	aaatgaacca	ccagagtgtg	ggtttttttg	ttattttttt	15360
tgtttttttg	agacagagtt	tcactcttgt	tgcccaggct	ggagtgtcaat	ggcgagatct	15420
cggtcactg	caacctctgc	ctcctgggtt	caagcagctc	tcctgectca	gcctcctcct	15480
gagtagctgg	gattacaggc	gcccaccacc	acaccagct	aatttttgta	tttttagtag	15540
agatgggttt	tgccatgttg	gccagggttg	tcttgaactc	ctcacctcag	acgatccacc	15600
cacctcagcc	tcccaaagtg	ctgggactac	agatgcacac	caccacaccc	ggtaattttt	15660
tgtattttta	gtaaggacgg	gggttcccca	tggtggccag	gctgggtctca	aactcctgac	15720
ctcaagtgat	tcacctgcct	tggcctccca	aagtgtctgg	attacaggcc	tcgcccaccg	15780
caccagccc	aacctgggtc	cttttgtatg	tgagagtttg	cttggttttt	tcacgtgctt	15840
tctctactcc	agttttattc	tatgacaaaa	ttgaggccca	acatgattta	cttgectgga	15900
tccacccaac	ctgtcagtta	cttcccagtg	ctgctgccaa	cttaatgtct	ccttaaaagg	15960
atgctttaga	gaaaacgaaa	tcattgttgt	tttccccctt	ggtaagaga	tcaaacgccc	16020
acaaaaagcc	cttgggtcag	tttcttagta	gataaaaaata	attcttcgtc	actttctgaa	16080
agcggctaac	atataaccct	tatgatgaat	aatgtgggtg	gtgtgtgtgt	gcgcgcccc	16140
aattccaatg	agttatcaga	gccagaaact	tatattttaa	atatgtttat	ttcccaacca	16200
cactggaaac	cacacacaga	aaaaaaaaaa	agcatgatta	taccccctta	ataaccgtta	16260
ctgcagaagg	atgtgactct	ccttcaacac	ttgttgggtat	tttacagcct	ccaaatctga	16320
ccatgtataa	ccacctggga	tagagtattt	ttatttcaga	accataatac	ttagctatct	16380
cggaagtgtc	caatataaaa	tgtttactct	ctaattgggtt	tgaactaact	caagacctgg	16440
ttatcccggg	gagcatcctt	acaaatgatc	tgagagctaa	cagtcctctt	gcagcagtg	16500
agggaacac	tcccgtggca	atcactctcc	aaaagccaga	atgtgcaaga	taaaaggcca	16560
ccttccctgc	agggaggcac	attaagtcag	tctgtgatct	gctgccaaca	tcctgactgg	16620
agccgtttct	acgcctaact	aatcatgacg	tttgtgaatt	gtgaagcttg	ttgcaattca	16680
caattaactg	ttaattgacc	catattttat	aaccgcag	ccatgaactt	acaagttaga	16740
tacagacact	accagacatt	cactattttt	ttttacaatt	gttttaaatg	acattaatga	16800
gcatgcttga	ttcctgaact	cttctttaca	gtataatttt	aaaatatttg	agtgggatac	16860
gatggagagg	agggaggttg	gggaagaaat	gccccatgga	aaaccactc	atcaggttga	16920
gagtgtggag	aagccctgtg	tatctgagaa	ctcttaatca	tccacagaca	tggtatctct	16980
caaagagaag	tgggtgtaat	tccaaaatct	aattttggca	ggcgctcctg	actaaatact	17040
taatctggag	atgtcttcaa	ggcaggcgga	ggttttcagt	cctggctgca	cattagaagt	17100
cccaggggag	ctttaaaaaa	ttcccacgtc	ctccctgcat	cccagactaa	ttaatcgga	17160
tctccgagg	tgggaccaca	catcagggtt	ttgtaaattt	ccctgggggt	ttgggtgggt	17220
tgggggtgga	ggcgtctatc	ctatggccaa	ggttgagaac	cactgctttt	taaaagactg	17280
tttgcttggt	tttgagatgg	ggctcgtctc	tgtcaccag	gctggagtgc	agtggcgcaa	17340
tctcagctca	ctgcaacctc	tgccctctgg	gctcaagcaa	ttctcctgaa	aaaggctgtt	17400
ggttattaat	gcttccccac	agctattcta	ttcattgttg	catgcttctt	acgtgtgcta	17460
ggatgggagc	tttaaaggat	tacctatctt	aatcctcaca	accaccttgt	gagagaggtg	17520
tcattatccc	tgtttgagga	gtgagacagg	ggcttagcaa	gctcagtaac	ctgtccaagt	17580

cacacatctg	catgggggta	gctgctgcta	aagctcatgc	cgtaaatctc	catggtacac	17640
ggtgtcctct	ccatagcaat	cttgcggtg	ccttggttaac	acaaaaaaa	cttgcacag	17700
ctgggttgac	aatttctaga	taaagagctc	ttttcgggct	gctaagaagc	ctaatttttc	17760
atttgatttt	cttcttgaac	tgtgtcacac	tcctcattca	tttgatata	tcatcaaata	17820
cttattgagc	acctgctgtg	tgcctgggtg	gcagcagtg	caccagacat	ccaaagtcct	17880
tttcctctta	gagcttattc	tatctgggag	agacagataa	taaacacaaa	atcagtaagt	17940
cattttatat	ggtggttagt	gccttgagga	agatgagcca	ggttaatggg	attaagcctg	18000
gtagggggag	ggtgccactt	tagctcggaa	agggtagcga	gacccaaaca	atgcaaagga	18060
cccggcccgt	ggagatctaa	gacaggagga	tgccagggac	aggaagttgc	tggggcaaa	18120
cccctgaggc	tggactgagc	tcagtgttct	aggacgggag	tgggcagtga	ggagcagcag	18180
aggaggtgag	ctgggagata	gcctggggac	tctttcttct	gcctccttca	aaaaataaaa	18240
ctagccaggt	gtggtggctc	acacctgtaa	tcccaacaat	ttgggaagct	gatgtaggtg	18300
gattgcttga	gtccaggagt	tcgagaccag	cctgggcaac	atagttagac	ccctcccccc	18360
atttctacca	aaaaatcaaa	aaattagctg	ggcccgggtg	cgtgcgcctg	tgggtccagc	18420
tactcaggag	gctgaggtgg	gagcattgtt	tgaacccggg	aggtggaggc	tgagtgagg	18480
cgtgattgtg	ccactgtact	ctagcctggg	tgacagagtg	agactctgtc	tctaaataaa	18540
taagtaaatc	tagaacttaa	catcttggag	tgagtgaggc	ccaccatggc	tactgcagc	18600
ctcaatctcc	tgagctaata	gagcctcccc	ttcagcctcc	tgagttagctg	ggactatagg	18660
cgtgcaccac	catacctgaa	taatcaaaac	ctaactctt	taaagaacat	tggcataaga	18720
cttggcaaaa	atggcatctt	gtccctcatc	tcatttagtc	caagcgatac	aggaaatgct	18780
gccacctcca	ttttatagat	gaggagtctg	acgttcctag	aggttcaatg	ccctgaaacg	18840
tcaagccttg	aggaagttgg	agcactggga	ttcgaagagc	accatccaat	acagaccag	18900
aatcaggatg	atttgggatt	atgcttgtca	aggactcagg	gcagggttac	catacattag	18960
gcacaagaat	tttgatagtg	ataattactg	tgttcattgt	cacttcatca	tgacagttac	19020
cgtgatgata	agaaacctgg	cccttcttca	cctgacaaag	gctttcttcg	tttgagccac	19080
tgctcaaacg	agactgacca	agaataaatc	ctcggggctt	tggcctttaa	aataggaagt	19140
catcataaat	gacttgatgt	ggtgtgtttc	attcttgctt	tgcaccagtg	gaaaatatac	19200
aggtcaagca	tcaaaacatg	gcaaatgggg	accccaatta	ttagagaatc	taagttaatt	19260
tttatgtata	attaattatt	caacaaccct	ctcctctcca	aaccaataat	taatccatct	19320
tttgatattt	aagaccaatt	ctgtagtatt	ttccatcaat	atctatttac	tgctagcaga	19380
tatcagctac	attctttctc	ctttaataga	agttccctct	ttaggtatta	agattcatta	19440
aacaacaata	acaaatctac	cttgccctccc	agggacaatg	cacagttctc	attcatttgt	19500
tcatttagca	gataattttt	gaatttccac	tgtacagcag	ccctgtgctt	gtggttggcc	19560
tgttatttga	gaagcatcaa	ataataatct	catttttttg	ctgggtgtga	tagctcacgc	19620
ctgtagtccc	agcacttttg	gaggctgagg	cgggtggatc	acttgaggat	gggcgttggg	19680
gaccagcctg	gctaacatgg	tgaacctcgc	tctctattaa	aaatacaaaa	attagccagg	19740
tgtggtggca	gacacctgta	atcccagcta	ctcgggaggg	tgaggcagga	gaatcgcttg	19800
aacctgggag	gcagaggttg	cagttagccg	agatcgcccc	attgcactcc	agcctgggca	19860
acaagagcga	gactccgtct	caaaaaacaa	aacaaaacaa	gacaaaaaaa	aaccaacaa	19920
ataaaaataa	taatcccatt	tttctccatt	tttgagaaag	atttcttttg	tctgaagtct	19980
ttctctcccc	tctccgaggc	attaccaggt	ttaacctttc	atgtataata	tatatgatag	20040
ttatttaaa	tatagcagga	caaaatgtat	ttgataggag	aaaaccttgt	ttgctctgtg	20100
ttaagtccct	cagagagcta	attagagttt	gtgattctaa	aaggcaacta	tagattcact	20160
tatattagca	gttcatgtag	attccagtta	aggaaatggt	ttgtcacttg	tgttattgaa	20220
aacacacaca	gggcgagcac	tgtggcccat	gctggtaatc	ccagcgtttt	gggaggctga	20280
ggtgggcaga	tcacgggggtc	aggagtttga	gatcagcctg	gccaacatgg	tgaaaacccg	20340
tctctactat	aaatacaaaa	aattagctgg	cagttagtgg	aggcgctct	aatctcagct	20400
actcgggagg	ctgaggtagg	agaatcgctt	gaaccagga	gtcggaggtt	gcagtgaagc	20460
gagatcgac	cattgcactc	cagcttgggc	aacaagggca	agactccgtc	tcaaaaaaaa	20520
agaaagaaaa	cacacacaca	aaaaaacttt	agtagactct	tcggcatatt	atttttttaa	20580
ataaactgat	aatggttgat	atgattgttc	aaagaataaa	gagcttttca	taaactcagt	20640
ttaaagaaac	tttacaggcc	gggcgcgggtg	gctcatgccc	gtaatcctag	cactttggga	20700
ggccaaaggcg	ggtggatcac	ctgaggtcaa	gagttcgaga	ccagcctggc	caacatggta	20760
aaagcctgtc	tctattaaaa	aatacaaaaa	ttagccaggt	gtgttggctg	gcgcctgtaa	20820
tctcagcaac	tcaggaggct	gaagcaggag	aatcgctgga	acctggtagg	cagaggttgc	20880

agtgagacaa	aatcgtgcc	ttgcaactcca	gccccagctg	acaacagcga	gactccatct	20940
caaataaata	aataaataaa	taaataaata	aataaataaa	ggagctttac	agaaaccttc	21000
tgatgttttt	ttcttcttga	cgataacatt	gccaaactg	aatcttacia	agataagaca	21060
agaaagggac	cttcagacac	cattacatgt	aattctggac	ttagtggttt	aaatccttat	21120
ttttctatga	cattaaaaaa	atgtatatatt	taggccaggc	acagggctca	cacctgtaat	21180
cccagcactt	cgggaggccg	aggcaggtgg	attgcttcag	cccaggagtt	caagagcagc	21240
ctggggaaca	tagtgagacc	cctgtcccta	cagatttttt	ttttttgttt	gagatggagt	21300
tttgctcatg	ttgcctaggc	tggagtgcag	tggcacgac	tgggttcact	gcaacctctg	21360
cctcctgggt	tcaagcaatt	ctcctgcctc	agcctcccaa	gtagctggga	ttacaggcat	21420
gtgccaccac	acccggctaa	ttttgtatatt	ttggcagaga	ctgggtttct	ccatgttggt	21480
caggctgggtc	ttgaactccc	aacctcaggt	gatctgcctc	cctcagcctc	ccaaagtact	21540
gggattacag	gcgtgagcca	ccttgcccag	cctacaaaaa	gttttaaaaa	attaaaaaat	21600
tagttgggca	tggaggtgca	tgccagctac	tcgggaggct	gaggcaggag	gattgcttga	21660
gccatgaag	tggaggtgc	agtgaacct	aattgcagca	ctgcactcca	gcctgggcca	21720
tagagcaaga	ccctgtctca	aaaatatata	tagtatccaa	ataaacacaa	taattacaga	21780
aaattgaaaa	gtgcccataa	gcaaaaaaaa	aaaaaagaaa	aaattaatca	cctgcgttct	21840
catcaccag	aattaacat	tgtaaatatt	tttgttatag	atccttccaa	acttttctcc	21900
atgcttgtga	ttgtatttat	tatacatgat	ttacagggat	ataaacgact	gtattattag	21960
tcattagaag	aactggatta	tggccgggca	cgggtggctca	cacctgtaat	ctcagtactc	22020
tgggaggctg	aagtgagcag	atcatgaggt	caggaaatcg	agaccatcct	ggctaacaga	22080
gtgaaacccc	gtctctacta	aaaatacaaa	aaattacctg	ggcgtgggtg	caggcgctctg	22140
tagtcccagc	tactcgggag	gctcaggcag	gagcagagat	acctatctgt	tctcaggatt	22200
ttaaggtgtt	gcgcggaaat	aagaaaaccg	tacagtgttt	ctcactacaa	agcagggtca	22260
ggagatgcaa	acaaactgat	gtgggggttc	caagtgaagt	ggaattccag	acaggggccc	22320
ggaagacttc	gtggaaagg	agaatctgag	gtgggttttc	taggatgggt	aaagttcatt	22380
agaggaagag	aagtgcacaa	gaggaagttc	ggtgagaggt	agaggggaag	cgttctgatc	22440
atgaaggaaa	cactagaaaa	ggtatggaga	tagaaaaaga	taaggcctga	ttttttaacc	22500
taccacttaa	aaaaaatcct	tgaaaagaga	tttttaaaac	gaataacttg	tgctgacaaa	22560
ggtgaaatga	ccgggcgcgg	tggctcacac	ctgtaatctc	agcacatttg	gaggctgagg	22620
cgggcagatc	acttgagctc	aggagtgtga	gaccagcgtg	gccaacatgg	caaaactcca	22680
tctctactaa	aaatataaaa	attagacggg	tgtgatgggt	ggtgcctgta	gtcccaacta	22740
ctcaggaggc	tgaggcagga	gaattgcttg	aaccgagag	gcggagggtg	ctgtgagctg	22800
agattgtgcc	actgcactcc	agcctggata	gacgatgag	actgtctcaa	aaaaagaaag	22860
aaaaggaaag	aaaaaaaat	ccgtactgta	aactggtaaa	ggctttcttt	ctggagagca	22920
atttggggca	catgcaccag	tagccttaga	aggctcatgc	ttttgacct	attatcctat	22980
tagtggtgag	atgattaaag	atgtggcccc	aatttatgtg	aaaggatatg	atcacatctt	23040
cactcataat	caggagagtt	ggggaaaacc	ctagctgtta	atagtttatc	caaaatccat	23100
atatatatgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtatgg	atttatatat	atatataaat	23160
ggatatatat	atatatctgg	atggatatat	aaatatgata	tatatatgtg	tgtgtgtgta	23220
tatatatatg	tgtatatatg	tatatatata	tgatggaata	ctatttagcc	ataaaaagga	23280
atgaattaat	ggcattcgca	gtaacctgga	tggacttgga	gaccattatt	attttatatt	23340
atttatattt	ttttgagacg	gagtctcgct	ctgtcaccca	ggctggagtg	cagtggctcg	23400
agctcagctc	actgcaagct	ccacctcccc	agttgacgcc	attctcctgc	ctcagcctcc	23460
tgagtagctg	ggactgcagg	cgcccgccat	cacgcccaga	taactttttg	tatttttagt	23520
agagactggg	tttcaccgtg	ttagccggga	tggctcccat	ctgctgacct	catgatccac	23580
ccgctcggc	ctcccaaagt	gctgggatta	caggcgtgag	ccaccgcgcc	cagcgagact	23640
gttattctaa	gtgaagtaac	tcaggaatgg	aaaaccaaac	atcgatgtt	ctcactcata	23700
agtgggagtt	atgctatgag	gacgcaaagg	cataagaatg	atacgataga	ctttggggac	23760
tcagggaana	gggtgggaag	gggtgaagga	taaaagatac	aaattgggtg	cagtgtatac	23820
tgctcgggtg	atgggtgcac	caaaatctca	taaatcacca	ctaatagaact	tactactgta	23880
accaaatacc	acctgttcct	caataaacca	tggaaattaa	aaaagaaaaa	agaaaaagta	23940
ccctggaaaa	aaattttctc	cctggccagt	cagcgtggct	cataacctgta	atcccagcaa	24000
ttcgagagc	tgaggcagga	ggatcacttg	agcccagtag	ttcaaaaacca	gccagtgcaa	24060
catagtggga	ccctgtctca	aataaaatct	aaaaattagc	caggtgtgtt	ggtgcatgtc	24120
tgtgggtcca	gctactcagg	aggctgaggt	gagagtattg	cttgagccta	ggagggttaag	24180

gcggcagtga	gccgtgattg	tgccactgcc	atccaacctg	ggcaacaaaag	caagaccctg	24240
tctcaaaaaa	aaagaaaaaa	aaaacctctc	tattcgctct	ttaagaatac	ctgggcttct	24300
ctgtgtacac	ttaagcttca	ttggagtctt	tagacttttt	ttttgctgta	tctgtccagt	24360
taccaagtcc	cagcttctac	tccatgctcc	ccatgctctc	ttcctatitt	attttccatg	24420
actgcctcgg	tataacttgt	gctcaaccaa	actggactac	tcaattccct	gcattttctt	24480
ttttaaaagt	taatcaaaaa	aaaaaagaaa	actggctggg	cacagtgggc	ttctgcccac	24540
aatctcggtg	ctttgggaaa	ctgaggcagg	aggattgctt	aaggccaaga	gttcaagacc	24600
agcctgggta	acatagcaag	acctccatct	ccacaaaaaa	atttaaaaat	tgactgagtg	24660
tgatggtgtg	cacctagtcc	cagctgcttg	ggaggctgag	gcaggagaat	tgcttgagcc	24720
caggagtctc	aggttatgat	gagctatgac	tgtgccaccg	cactccagcc	agggtaacag	24780
agtgggactg	tctcaaaaaa	caaaacaaaa	tccctaatat	aatctcagtg	tgctttttaa	24840
gtatgccata	tatatatata	tatatatata	tatatatata	tatatatata	acattttctt	24900
tatccactca	ttgattttca	tgtagttcta	atcgtagaat	tcatacatte	tttctatctt	24960
ccatctttca	cataacatca	caaacatttt	ctaggttgcc	atattgtctt	catagttact	25020
taaataatat	tccatcaagt	agcacaatca	tttatttcac	tagtcctcta	actgtagaca	25080
ttttggttgt	ttttgaaact	taataatgta	aataacaccg	tgataacaat	gtttatgtaa	25140
attcatattt	tggattatct	ccttaggggtg	gattcccaga	agtcacatta	gtagggtcaa	25200
gagtatgagc	ctatttttcaa	ggctcttgtt	ttattacctt	ttaattttcca	cttgccctcaa	25260
tattgctggg	ttgctccctt	atgatcacca	gagttactcc	gtcgggtccaa	attctttacc	25320
ttccgaaact	gggaaggcca	tgactcaatg	ttatatatat	agtaaaggct	actataacct	25380
tccccagaat	tttccaagcc	agtggctctc	aaagtgaact	ttggctgtta	aaatctgaat	25440
tcagaggggt	catgagactc	agtgttgttg	tagaatttaa	gctccttaat	ttgccacgtt	25500
gtttagacac	cacttaatac	tttattgcaa	atgacttgtc	aacgcctctc	acctacaaac	25560
ttcatcctcc	tacaaatata	cctcctgcta	atcaaatgag	gctacagttg	agtctttaag	25620
tttcagtaga	aagatggccc	ttcctctggg	gtaggcgcat	gctcttcatg	ctgaagctca	25680
gctgaaaagc	ctcctgctga	gttttctgcc	tctttccctc	ccactgcaca	caccccaggg	25740
tgttggcgcc	acttcaaagg	gagcctgtgg	atgaagaaaa	cacaggtaaa	ggcagagggc	25800
tcataagggg	gccataaatt	taaaaagtta	agattcctgg	cactatcaac	tctcacttgt	25860
tttcaaatat	gcataatggg	tggatattcc	agttttcatg	tctgtgttgt	tgttttttaa	25920
aaaagacctt	tcaaagaact	gtgcattttt	tacaggctga	caggctgtgt	ttgggtgtta	25980
actgtcaggg	ctgactgggc	acttggaagg	ggcaggggct	gaggtgcatg	caagtgtcgg	26040
ctggttactc	acagacacag	cagccccttt	taccccgagg	agagttctgt	ttgctggagc	26100
ccttattctg	gccagcagtg	tcacaaatgc	acactgtaag	acatagacag	tcttggaagg	26160
aaagggaaac	tggcttttaa	aattcttact	ccttctagca	aagcaattca	tctttggcta	26220
taaagaataa	cacagccagg	tgcggtggct	catgcttgta	atcccagcac	tttgggaggt	26280
caagggtggc	agatcacttg	agtctaggag	ttcaagacca	gcctgggaaa	catggtgaaa	26340
ccccacctct	acaaaaaa	aaaaaaagaa	agaaagaaaa	gattagccag	gtttggtggg	26400
acgtgcctgt	agtcccaggt	actcggaagg	ctgagggtgg	aggatcgctt	gagcctggag	26460
ggcggaggtt	gcagtgagcc	gagatcatgc	cactgcactc	cagcctgggc	aacagagtga	26520
cacctgtgat	caaaaaaa	aaaaaaaag	aacagtaaca	cattattaga	aatgagcatt	26580
ctgaggccag	gcacggtggc	tcatgcctat	aatcgagca	ctttgggagg	ccgaggcggg	26640
tggatcacia	ggtcaggaga	tcgagaccat	cctggctaac	acggtgaaac	cccgtcttta	26700
ctaaaaacac	aaaaaattag	ccgggtgcag	tggcggtgct	ctatagtccc	agctactcag	26760
gaggctgagg	caggagaatg	gcgtgaaccc	ctgggaggcg	gagcttgacg	tgagccgaga	26820
tagtgccact	gcactccagc	ctgggcgaaa	gagcgagact	ccatctcaaa	aaaaaaaaaa	26880
aaaagaaaga	aacgagcatt	ctgaaatagt	cttccatagt	atgcttttga	caattcagca	26940
ggaaaataaa	ggatgtaaga	aatgaatgca	tatgttaggc	ctcttggtga	cctgtggact	27000
aaattgtttc	tccctgcaga	gatcagcaag	gacaactcct	gcaaagaaaa	ctgtacttgt	27060
tcctcctgct	tgctccgggc	ccccaccata	agtacttgcc	tcaatgatca	ggacttacta	27120
gacgtgatca	ggataaaagt	ggatccgtgt	cacccaacgg	tgaaaaactg	gaggaatttt	27180
ccaagcaaat	gggggatgtc	ctatgacgaa	ttgtgcttcc	tggagcagag	gccacagagc	27240
gccaccttgg	agttcttggc	ccggaacagt	cagagacagg	tgggccagct	gatggagctc	27300
tgacggctct	accacagggc	cgacgtggag	aaggttctgc	gcagggtggg	ggacgaggag	27360
tggcccaagc	gggagcgtgg	agacccctcc	aggcacttct	agagctcttc	ttcttctctc	27420
attggcctct	ccggatgttg	aaacaaccac	aggtcaagaa	ggaatgtgaa	tctgttgttt	27480

tataagagtt	taggacaagg	acgtggaaca	gtggacactg	gttttcccca	aagctggcag	27540
ttttgtggag	gggtagcttg	tttcgggtggt	ggatctctgt	ttattttttgc	acatctgtta	27600
taattttaata	ttcaaactctg	gaattaagaa	aacatattttt	ctagtatcct	ctaagggcca	27660
aagtcctaca	atcggaatgg	attcatgccca	cgttgaagat	aaaattatcc	tctctctgaa	27720
atacggtaaa	gatttaaata	ggtcctgaga	ctggtgatag	ccccagacat	accacagca	27780
ttatatgtaa	catctctcct	gatcagtgcc	attcccacgg	tttcaaagaa	aacagctaca	27840
aggaatgctt	acctgagtg	ctgcagcacc	ctccacttct	ctcctaggca	atgagaccca	27900
gtggctagaa	attcaccatg	tctattctca	agatccatgc	cagggagctc	tttgactctc	27960
gtgggaatcc	cactgttgag	ggtgatctct	tcacctcaga	aggtctcttc	agagctgctg	28020
tgcccagtg	tgcttcaact	ggtatctatg	aggtcctaga	gctccaggac	aatgataaga	28080
ctcgctatat	ggggaagggt	gtctcaaagc	ctggtgagcc	catcaataaa	actattgcac	28140
ctgtcctggt	tagcaagaaa	ctgaacgtca	cagaacaaga	gaagattgac	aaacttatga	28200
tagagatgga	tggaaacagaa	aataaatcta	aatttgggtgc	aaatgccatt	ctgggagtg	28260
ccctcgctgc	ctgcaaagct	agtgtgttg	agaaggggg	tccctgtac	caccacatg	28320
ccgacttgct	tggcaactcc	aaagtcatct	tgccagtcct	ggtgttcaat	gtcatcaatg	28380
gcagttctca	tgctgtcacc	aagctggcca	tgaggaggt	catggtcctc	ccagtcggtg	28440
cagcaaaactt	cagggaagcc	atgcccattg	gagcggaggt	ttaccacagc	ctgaagaatg	28500
tcacaaagga	gaaatatggg	aaagatgcca	ccggtgtggg	ggatggaggc	gcgtttgctc	28560
ccaacatcct	ggagaataaa	gaaggcctgg	agctgtcgaa	gactgcgatt	gggaaagctg	28620
gctacactga	taaggtgatc	gtcagcatgg	acgtagaggc	ctccgagttc	ttcaggctctg	28680
gaaagtatga	cctggaattc	aagtttctcg	acgacccac	caggtacatc	tcacctgact	28740
gtctggctga	cctgtacaag	tccttcatca	aaaactaccc	agtgggtgtc	actgaagatc	28800
cctttgacca	ggatgactgg	ggagcttggc	agaagttcac	ggccagtgca	ggaatccagg	28860
tagtgaggga	tgatctcaga	gtgaccaacc	caaagaggac	agcctcggcc	gtgaatgaga	28920
agaagtgcaa	ctgcctcctg	ctcaaagtga	accagattcg	ctctgtgact	gagtccttc	28980
aggcgtgcaa	gctggcccag	gccaatggtt	ggtgtgtcat	ggtgcctcat	cattctgggg	29040
agactgaaaa	taccttcac	actgacctgg	tggtggggct	gtgacctggg	cagctcaaga	29100
ctggtgcccc	ttgctgatct	gagcgcttg	ccaagtacaa	ccagctcctc	agaattgaag	29160
aggagctggg	cagcaaggct	aagtttgccg	gcaggaactt	cagnaacccc	ccagccaagt	29220
aagctgtggg	caggcaagcc	cttcagtcac	ctggtggcta	attagacccc	tcccttgtg	29280
tcaactccgg	cagctcaaga	cccccgagca	acattttag	gggccgctgc	tagttagcta	29340
cccttgcccc	ccgctgtgga	gttcgcacct	cttccttaga	acttctacag	aagcaggttg	29400
cagttagccc	agattgcgcc	actgcacacc	agtttgga	cagagtgaga	gtccgtccca	29460
gaaaaaaaaa	aaaaaaataa	gaacttntac	agaagccaag	ctccctggag	ccctgttggc	29520
agctctagcc	ttgcagtcac	gtaattggcc	caaatcaccc	gagccacgtg	accctccagt	29580
gtcatctccg	gggtggccac	aggcaagatc	cccagtgatt	ttgtgctcaa	aataaaaaagc	29640
ctcattgacc	catgagaaaa	aagaaaacag	caatgagaag	tgacctgtc	ttgttggttt	29700
attacttttt	ttgttataaa	gtactttggt	gaattaacag	gatgctagta	ttacatggtg	29760
atactcttca	gaacacctgc	cccatctttt	ttatgcaagt	atgtttacaa	tcagtggact	29820
atcagtaatg	tcatttgctc	aaatatTTTT	taaagaccta	cagaaactga	tggttatttg	29880
gaaaacagtc	aggaagtagt	gaggtaatca	aggccatggg	aatagtgttt	gacaaagaga	29940
gtactccaaa	tcccttttgg	ttaccagga	ctttaaaaaa	gagagtactc	catcacacct	30000
gtaatcccag	cactttggga	ggccgaggcg	ggtggatcac	gaggtcagga	gatcgagacc	30060
atcatagcta	acatggtgaa	accccgtctc	tactaaaaat	acaaaacatt	agccgggtgt	30120
ggtggcgggc	gcctgtagtc	ccatctactc	aggaggctga	ggcaggagga	tggttgaac	30180
ccaggaggcg	gacttgacgt	gagccgagat	agcaccactg	cactccagcc	tgggcgacag	30240
agcaagactg	tgtctcaaaa	aaaaaaaaaa	aagagtgtct	caaattctct	ttggttacc	30300
gggactttta	aaaattttaat	gtgatagtta	ggccgggtgt	ggttctcacg	cctgtaatcc	30360
tagcactttt	ggaagctgag	gcgggtggat	catttgaggt	caggagtggg	agaccagcct	30420
ggccaacatg	gcgaaacccc	gtctctacta	aaaatacaaa	aattagccag	gcgtggtggt	30480
ggcgccgtgt	aatcccagct	cctcgggaaa	ttgaggcact	agaattgctt	gaacccagga	30540
ggtggaggtt	gcagtgagcc	gagattgcgc	cactgcactc	cagcctaggc	aacagagcga	30600
ggttccatct	caaaaaaaa	aattgtaata	ataataataa	caatgtaata	tttacttttt	30660
catcctttat	ataaggctga	gtgcttcacc	cctgagatga	agctcagtta	agaaataaat	30720
gaaaatcccc	taacctattg	gtgaaaggta	accaccccca	gctcctacta	gccaacttta	30780

aaacaggacc	ccatcacact	acacagcagt	ttagccaaga	aaaggggggtc	tttatgtgga	30840
cactggggagg	gaaggggattc	cttcaaattcc	aaacttttaaa	ggatttttaaa	caaataaaac	30900
atttgggttca	aagaatagct	gatgttttta	tttgatgatt	ttggagaaaag	gaaagtgtgg	30960
ggcataatgg	ggtttggttat	tggaaagatc	agatttttcta	ggtaatttgg	gtggagaaaag	31020
acaaaaggca	aagctttgac	tgacaattcc	atgaaagtgc	tatttggttt	tggttatggg	31080
cttagaaaaat	taagacactt	agttcaattt	ggaaggattc	tgtataagtc	cctgattaaa	31140
ataagcaaaa	atgatgaata	acactgattc	agtgcaccg	aaagattagg	attaactcaa	31200
aagaaagtta	ttttctaaac	caccgtgatt	ttttccactg	acaattacag	cggttttcat	31260
taggttgctg	acacatgaag	tcagcctcac	catcagttgc	aaactctaaa	ctagcaaaaat	31320
ctattacaga	gacatactta	tcactttctga	tttagtgcta	atctcaccca	gctcatcttc	31380
tcttgtcaga	tttatgagat	aaatgtcaga	tttatcacca	gatatattga	aagtaacagc	31440
cagtaataaa	atgtgagatt	ttaaaaaata	gattcttttg	caaattgggtg	ttcagtggag	31500
caattattaa	acatttttgt	cagccaggtt	ccaggcactg	tacagaagct	gttaggagtt	31560
ctcaccatct	acgaatttga	tttgatgtat	tgtattctca	ttaagctatg	tgtgacacat	31620
tgtcattttat	tagccagaa	tttaaaaagc	tgtggttggt	tagtggtggg	ggtagcagac	31680
cccagcagtc	tgatggctg	cactccttcc	atcctgccac	cccctgggga	tgcaaagact	31740
ggatctcagg	gtgacaatct	tcttgccgac	gactgcctgg	ccaagtgcct	ccagaaagcc	31800
ccttccttcc	cccattttcca	cccaggccca	cttgctacct	cagcctaaca	ccagcctgca	31860
cagtctacgg	ccaccatcca	ggcagtgagg	gagggaaagg	ggaggagggt	ggaagggaaa	31920
acccctttct	atacctctcc	tcagcctgct	cttctctct	cccacctctg	agcctccgcc	31980
tccccagac	agagacagaa	aagatggaag	aacaggtggg	acctccaccc	ccaccccaag	32040
ccttcatccc	ggtggagggg	gatgggaaga	tttctctcat	ttcaagagac	tcctccacct	32100
cagactgaca	aaaggcagag	gcctggcaag	aagaaagggc	accctgggga	agaagggcat	32160
tgaaatagca	cctgccgggc	cgggcacggg	ggctcacgcc	tgtaatccca	acactttggg	32220
aggccgaggc	gcgtggatca	cggggtcagg	agttcaagac	cagcctggcc	aagatggtga	32280
aaccccgtct	ctactaaaaa	tacaaaaagt	agccaggcgt	ggtagcgggt	gcctgtagtc	32340
ccagctactc	cggaggctga	gacagggaac	tgcttgaact	gggaagggtg	aggttgagtc	32400
gagccaagat	cgtgccatgc	actccagcct	gggcgacaga	gtgagactcc	atctcaaaaa	32460
acaaaaacag	aaatagcacc	tgccccacc	ccttgccgc	cctccttccc	gccccgtcc	32520
tttctagac	ttcactcaag	tcctctgctc	agaggaagcc	ctgctctact	gaaagccaca	32580
aggccattct	cggtgggcctg	ggacagcagc	ccaagacgtg	ggcttctaac	tgccctccgaa	32640
ggggccacag	cagcaaacat	aaataaaaat	agtaaaatgt	tcttaaaatta	taaattttaa	32700
atttgaaaaa	tttagtgagc	acagcttcta	gggggcatgt	ttccaaaatt	ccaaccacaa	32760
aagtgcagtc	tcaaaaactga	ctgtaaaaccg	aacataccat	ctcatctcag	acacagctat	32820
tgttcacgag	tgtcagtgga	actttcctcc	cttgagatgg	acaaaaaacg	tcaagcaaga	32880
tgacatttgc	tgatttgcag	gcttcaggca	gataagatac	gggcagagtt	gagtgtgcgc	32940
ctttaccctt	aaattcagga	atagcaggaa	cagcaggaaa	aacgtaggac	cacagcgtac	33000
gtcccacttg	tctttcattt	tgatatcatt	atttccagag	tcctgattgc	tagtcatgtc	33060
taacactgga	tttattatca	tctcattgct	agcatggcta	ggaaagcttt	gaacatcctt	33120
atcattctat	tttaattcct	attataattg	catggggaag	ttccagggtg	gaaaaatttc	33180
cttttctttc	tttttttttt	tttaatagga	gagttggctg	ggcacgggtg	ctcacgcctg	33240
tgatcccaac	actttgggag	gccaaggcgg	gtggatcacc	tgaggtcagg	agttcgagac	33300
caacctggcc	aacatagtga	aaacctatct	ctactaaaaa	tacaaaagtta	gctgggtatg	33360
gtggtgcaca	cctatagtcc	cagctactgg	ggaggctgag	acaggagaat	cacttgaata	33420
cgggaggcag	cagtgcagca	agatcatgcc	actgcactcc	aacctgggag	agacagagtg	33480
ccatctcaaa	aaaaacaaac	aaaagagttg	atataaaattt	gctgttataa	tttgactgta	33540
ctgtttcttg	cacatgttga	catctgtaat	gactggagtt	tatgaaaatt	tttgatgagt	33600
aggagcatat	cattaacaga	gagaaattta	atcaaaagat	ttttaaaagt	ccttcagagt	33660
ccagactttg	actaagtgtat	gtatgattta	tatctatggt	gcatacaaaa	atatcaaaa	33720
gtaattccca	actgaaatac	aagtatcaat	caattgtgta	acaatgcaaa	atcatttaat	33780
ttaaagttaa	tttatagcaa	atgagtactg	taatagcata	agcatgccga	tactttacaa	33840
aggagagagt	ggaaaggtag	gatattataa	ctaattgatc	aaatcattgt	taaaatttaa	33900
gtttattaat	acttttactt	ctgtccgtag	ggatccatgt	taaattgggt	atattataaa	33960
cttaactgct	aatgatgagg	tccttttgct	attagaaatc	tattttttat	ttttctttat	34020
tattttttga	ggcaggggtct	tgctctgttg	cccaggctgg	agtcagtggtg	tgaaattata	34080

gctcactgca	gcctcaacct	cctgggctca	aggaatcctc	ctgcctcagc	ctcccaagta	34140
atggaaactg	cagtcgtata	caagcacacc	cagcaatttt	tttttttttt	tttggttaaga	34200
tggggtttag	ctatgctgtc	caagctgggc	tcaaaactcct	ggcctcaagt	gatcctccca	34260
ccttancctc	caaagtgtgt	ggattacagg	cgggagccac	cattcccagc	ctagaatgaa	34320
atatctttag	ctaaattaca	gggctggatg	tgggtggctca	tgcctgtaat	cccagcactt	34380
tgggagactg	agggcgggag	ggtcacttga	gatcaggagt	ttgagaccac	cctgggcaac	34440
acagtgagaa	ttctgtctct	atttttaaaaa	gagaaaaatc	taggggtatat	tctctttaa	34500
aaaactttca	tctataatgg	tagttgatga	ggtcctatgt	aatatgcatt	tccttgggtg	34560
caatagcaaa	ttactacaca	cacagaaagg	aaagccacac	tccccgacac	atctacacac	34620
aggaggactc	acacaggagg	gagactcaaa	gaaggcacgt	gactttttaca	ttgttagggc	34680
ttacatggtc	ctgggatttc	ccaccagtac	tcaaaagatc	aattgtatga	acaagtcacc	34740
tattttttacg	gcactaaata	attattattc	aacaacatgg	aaaatatgtg	gtagcagacc	34800
tggattttcc	ttaagagtta	tttttatgtg	gtactgcccc	ctgctggaat	ataacatcta	34860
tacacatcct	ttctggctgg	gctgacatcc	taaaaccagc	ccaggaccag	cctttttatta	34920
atattaattc	ttggccaggc	gcggtggctc	gcctgtaatc	ccagtacttt	gggagttccag	34980
ggcgggcgga	tcacagaggtc	aggagttcaa	gaccagcctg	gccaaacatgg	tgaaactccg	35040
gctctactaa	aaatacaaaa	cttagctggg	catagtggca	cattcctgta	atcccagtta	35100
ctcgagaggc	tgaggcagga	gaattgcctg	aaccgggacc	cgggaggtgg	aggttgcggt	35160
gagccgaaat	cgtgccactg	cactccagcc	tgggctacag	agcgagactc	cgtctcaaaa	35220
ataaataaat	aaaaattaaa	attaaaaaat	aattcttggg	tgtatgctaa	aagccttgca	35280
agtagcccca	ctggaagata	ggaagagtgg	ggctgtttta	caaataagca	catataagca	35340
gaacgaggcc	gccataattg	aaatgaaggt	ccccgtccc	tggatgtgtt	catcgctact	35400
tcaccctgtc	attcggatcc	aatgtgtgac	cagccagctc	caataacagt	tccatactct	35460
gggaattatt	tttaacactc	ggcaggatgc	tttcttcctg	tagttttagg	cttagccctt	35520
tgtgcacttt	tgggtctctt	ccctttcaat	ttagcatcca	aggaagcggc	tgtgaccaa	35580
ggtagctgtc	atgttaaagg	acaaagttca	tagttacagc	aaatattgac	ccagagcact	35640
atccttgccc	cttcctctat	aatgtgcaat	gcaaaaatat	gttcttttaa	gtacaatatt	35700
aataagtaag	gtctaggaga	ttttcttccc	ccttcctttc	tcttttagat	gagtaaattg	35760
ttatcttagt	tttgaggaga	ctatccttct	tatcacatct	ctttccactt	ctgctctcct	35820
tgttttataa	ttttcctctc	ctttgggtcc	gtgtcattat	ttcgtgtcgc	ttgttttcga	35880
gccatgcact	catttatcaa	atcagatttc	ctccgtatgc	cgacggcctt	cctctccctg	35940
ccacgggctt	cctttttccc	tgactatgca	gaagcaattt	gttcgcttgt	gtttcttttt	36000
ttttttgaga	cagagtcctg	ctctgtcacc	caggctggag	tgcaagtggc	acatctcggc	36060
tcactgcaac	ctccgcctgt	caggttcaag	caattctcat	gcgtcagcct	ccagagtagc	36120
tgggattaca	ggtgtttgcc	accaaggctg	gctaattttt	agtagagacg	gggtttcacc	36180
atgttggtcca	ggcttgtctc	gaactcccaa	catcagttga	tccacccatc	tcggccttcc	36240
aaaatgctgg	gattataggc	atgaaccacc	gcactctggc	ttgtctttca	tccttaatga	36300
cacttttagtc	ctaataatgc	taaaatcatt	ttctactctt	tgaattgaaa	cacagcttat	36360
ctacatgagc	ccaaggcagt	agcaacattc	acctccattt	cttctctgat	ctctaccttc	36420
tgaaccctgt	ggacttggtt	gtaaatggat	gagggcaagt	cttgcttcct	tcccctgtgt	36480
ttacagagga	tcgtggctga	gatgctgggc	cacactctgg	gcctgctggc	accctggggc	36540
cgtgtggctg	tgccctcag	ggtgctcacc	acctagacca	gaagaacca	ggtgagggag	36600
agcctgtttt	ctttcttcct	gtggctgcgg	gggctgtgag	gcattgggtct	agtggctgtg	36660
tttagctggg	gatgcctcct	agaaatcagc	tccaccgttg	aagagatcaa	agcaatgcac	36720
agtgccactt	gaaatgaaac	gattgagctt	atcagcgctt	ttgcaaattg	acaagagggg	36780
agctcccccg	gacatcctga	actgagccat	gctcttctat	tttgtgtaac	agcccagtgga	36840
cccctgaatc	ttccccctgag	gcaggtcctc	gaagcttcat	ggaggatgtt	cctcagctga	36900
ccaagggtgag	gctcttgagc	tcctaaatct	ttgtgatact	gtttatacat	ctttgtgctg	36960
tacttttttaa	gctgacttcg	tggtatcacc	tgatgatatt	tatgttttgc	ttctaaataa	37020
gtacagatta	ttttaaactc	taataatggg	tgctacaaaa	ttaaagatta	tgtcaactcac	37080
tgtctctgat	gagttatttt	atgtagattt	gaacacaaatc	attgattcat	gtgtactctt	37140
ggtcagtcac	cagtcattctg	agttacattg	ccgtttccaa	aatgggtcct	ggatgctggg	37200
gatgcaaaga	taagcaaacac	atctctatcc	tcaacagcct	gtagatgagg	gagaatcact	37260
gcggacaatc	agggaaagtta	ccggagagag	cagtgacacat	gtggtctaga	aactgggtgga	37320
acaaagttag	gaatcactga	actaggagga	aagacaggctc	actgacaatc	caaggcacag	37380

tgactcacac	tctaattctca	gcacttttggg	aggccaaggc	aggaagatcc	actgagctca	37440
ggagataaag	accagcctgg	ctgacctatg	gagacccttc	tctacccaaa	aaaaaaaaaa	37500
aaaaaaaaaac	attagcctgg	catgggtggg	tgtgcctgtg	gtaccagcta	ttcaggaggc	37560
tgaagtggga	ggatcgcttg	agcccgggag	gtcaagactg	cagtgaatca	tgatcacacc	37620
attgcactcc	agcctaggga	agagagcaag	aaagaccctg	tctcaaaaac	agaaaaaaat	37680
ccagtaaaat	gtttcagatg	ttgttaaagg	tgattttact	gttacttttc	acctctcctc	37740
atttttacatc	tctgacctat	gcttgtcctc	tgacttgcca	gacattccta	gctatggact	37800
tgatgtctcg	acatggaggc	tcacaggcac	cccaaactca	gcctgcccta	agctgaaccc	37860
atgatctttc	cttccaaact	tgttttctcac	cagagttccc	atcttatcat	ccacctagtt	37920
gttcaagtca	tccttaagac	ctccctctcc	ttcactgtct	attctacctc	cctaatatct	37980
cttaaatect	tcctctctct	cccacctcac	agccaccatc	ctaacctaa	cagccaccct	38040
ttctcaccct	ataatgacct	cctggctggt	ctctatagag	ttggtgaatc	ctttcgtctt	38100
cagcctgaac	cccctttcga	gggattctta	tatatataca	tagatataca	caaatatata	38160
tgtacatatg	tacatatgtg	tgtatatatg	tacatatgtg	tatggatata	catatgtata	38220
tatgtggatg	tacatatgta	catgtgtatg	ggtgtacata	tgtacatgtg	tatgggtgta	38280
catatgtaca	tatgtgtatg	ggtgtacata	tgtacatatg	tatatgggtg	tacatatgta	38340
catgtgtgta	tggtgtgata	tgtgtacatg	tgtgtatggg	tgtacatatg	tacatgtgtg	38400
tatatatgta	catgtgtgta	tgtacgcata	tacatatgtg	catgtatgtg	catgtgtatg	38460
tgtgtgtatg	tacacgtgtg	catatgtgtg	tatatgtgta	cacgtgtacg	tgtgtatata	38520
tatatatata	tatactggct	ggagtgcagt	gggaaagtgt	tggtcacca	caaactccac	38580
ctcccagggt	caagtgatcc	tcctgcctca	gtctcctgag	tagctgggat	tacaggcggt	38640
caccaccatg	cccagcta	ttttgtat	ttagtagaga	cggggtttca	ccatgttggc	38700
caggctggtc	ttgaactcct	gacctcaggt	gatccacca	cctcggcctc	ccaaagtgtc	38760
gggattacag	gcgtgagcca	ccgtgcctgg	ccggattcct	atcttgaaga	cgaagcccca	38820
gaccatcgac	acggcctcaa	ggccctgcat	gacgcctcct	gccccaacac	ctcgtgtcat	38880
cttgctctcc	tctcccgcag	ctcctgaggc	tttagccacc	ctggaattcc	aagtccccat	38940
ggtcattttt	ttttcctgct	caagatatca	ccatgtgctg	tcccctctgc	ccttgtctac	39000
acccacgtgt	ccttctcccc	ccccggccac	actcatgggg	cacactgtcc	ttccctggct	39060
aatcctccca	cactcgatac	cactttctct	gggatattgc	acccgatcct	cagccgcagt	39120
tgtcttctta	tgaccacact	ccacactctc	gccacaatgg	taattgtttg	attcctactt	39180
ggtgtccctg	tgagactgca	aacccagag	gacaggggcc	ctgggttctc	cttcgcctct	39240
ggatcatcag	cactaactga	atacctggcc	tagaagagat	gctaacgatg	ctgaatgaat	39300
aaataagtgg	aaagactctc	agtaaaagcaa	aacctttctt	taccatttta	tggccgtcaa	39360
ggaggaaaac	acattatcag	tggaaaacgc	aaaatgaggg	gatttgctta	gcaaacgatg	39420
aattcctctg	gcaccctggc	agccttgggt	tcttttgatg	aggtccaccc	ccttccatcc	39480
atcttctggg	cttaagagat	caaagcaaaa	catgctgtgg	aattcgatac	tgggtgcaggt	39540
tgcacaacat	tgtgactgaa	ctaaaagcca	ctggatggta	caactgaaaa	tgggtgaattg	39600
cggtgtgcat	gaattataac	ctaactgggg	aaaaaaaggc	ttaaaaagag	acaaagcttc	39660
ccccacaatg	gaaaggaagg	tataatagaa	acagcagctt	tcaaaccttg	gcaggataat	39720
gaaacccctg	ttctattttt	aaaaatttagc	tgggtacagt	ggcacgtgcc	tgtagaccca	39780
gctactcggg	aggctgaggg	tgggaagatcg	cttgagccca	ggagttcaag	gctgtggtaa	39840
actataatca	cactactgca	ctccagcctg	ggtgacagag	aaagaccctg	tctcaaaaaa	39900
ggaaggaaaag	aaggaaggaa	ggaagggaagg	agggagggag	ggagggaagg	aggggaaggaa	39960
ggaagggaagg	aaggaaatag	cagctctgag	cttagaaata	ggagtctatt	tctaagtggg	40020
agatggggag	aaggagggaa	ctggggaggt	gaggaagaag	caggtattgt	caccagttag	40080
gactgtgctg	ttgtgagccc	agctaggcaa	ctggcaattc	cattctgtta	gtgacagcta	40140
caataaccca	aagccctctg	gagccctgct	ttcctctgct	ctcttcgtgg	cttgactagg	40200
agctgaagat	cctgtccctc	ttagagcatt	ggggcggccc	acccacctc	caccctcctc	40260
cacctgtctg	ctcgaggccc	ctcccactcc	cggggtagac	aaaacagttt	agaggctgaa	40320
gtcaccgggg	ctgtaactgt	tggatttgca	cattgcatag	aaaatcatca	tatgttttgt	40380
gtggactcca	tgcataacaa	caagagaacc	aaccagacc	catagacaga	agggagtgtg	40440
aattggagac	aaaattttaa	ttatgagttg	ccttctattc	agatttctcc	catttttaac	40500
aaaaaggagc	ccaaattcct	aaatgttatg	gttgtttgca	gcaacttatc	atctttctcc	40560
tttccttcat	agccaaggtt	tttgaaagag	ctatctgagg	cggggaatgg	tgactcacgc	40620
ctgtaatcct	agcacagagg	ctgaggtgag	tggatcacct	gaggtcagga	gttcaagacc	40680

accctggcca	acatggcgaa	atccccgtctc	tactaaaaat	acaaaaatta	gccgggcatg	40740
gtggcgctgtg	cctgtaatcc	cagctactca	ggaggctgag	gcaggagaat	cacttgaacc	40800
caggaggtgg	aggttgagct	gagccaagat	ctcaccactg	cactccagcc	tgggcaacag	40860
agtgagactc	catctaaaac	aaaaaaaaaa	gtagctgtct	gttctttctt	ctcgaactct	40920
ttttcccgct	ggagtctgtg	acctgctgcc	gtctgcctca	agtgagaggg	actagcagat	40980
ctgggtgaatt	accttctaata	gcccgtaccc	tgcccatacc	agcttcaatc	tgtatgtaga	41040
agcttagctt	gctccatgca	tggcctccag	catccactgg	tcacaaaata	acacaaaata	41100
gcatgagaga	gaatggctgc	atggagcgga	ggagctgctg	agactgaacc	caagccaggg	41160
ctactgctgg	gtggaactgg	acatgccag	cccatgggaa	agtcttccca	cagaagtcac	41220
atttgcaggg	gtctcccagg	agacagcaca	ttctgagcaa	aggagtggag	cagagataac	41280
tattcaggaa	ccaagagact	cgctggaaag	aagcagagat	tttcagccca	gcgtagtggg	41340
tgtttcttga	atcttcccc	gtggatgccc	caaaccctga	gatccttcca	acaaatagca	41400
cactactaac	aaactgtgac	tcaaagagag	ggaaacatgg	tcccctgctc	tgtcacaat	41460
cactgtgaag	ctttggcacc	ctgactgctc	aggtggccac	caacacagaa	ggaccacgaa	41520
tggctgagtc	aggaagtccac	agccgtgtgg	ctggaagagg	ctctgccttg	ctctgggaga	41580
aatgcctatc	cccaaggaag	ccttagtatc	catgggagag	aaacactgta	gcaatggccc	41640
ccaggactct	cggaagccca	cttctgggtg	gaggggactc	aaaggggtgt	gggggacctg	41700
tgtctgcatc	tggaggtgag	gagccaggaa	aattttcttt	cagtttcttt	cttttttctt	41760
ttcttttttt	tttttttttt	ttgagaaagg	gccttgccct	gtcgctcagg	ctgaaacata	41820
gtgggtgcgat	ctcggctcac	tgcaacctcc	acctcccagg	ttcgagtgat	tctcctgcct	41880
cagcctcccg	agtagctggg	actacaggca	tgcaccccca	cccacgcca	gctaattttt	41940
gtatttttgg	tagagatgtg	gtttcgccat	gttggccagg	ctggtctcga	actcctggcc	42000
tcaagtgatc	ctcccgatgt	gctgggatta	caggtgtgag	ccaccacgcc	cggcctcttt	42060
ctgcttcatt	taacattaat	ggtcatccca	cagcatgggt	ctgtgcacct	gtagtccag	42120
ctactcaggt	ggctgaggtg	ggagaatcac	ttgcgttcca	gctgtagtga	gccttgattg	42180
tgtctgtgaa	taaatgccac	ttctctccag	cttgagcaac	ataggagagac	tgtctcttaa	42240
aaaacaaaac	aaaacaggct	gggctcgggt	gcccacgcct	acaatcccag	cactttggga	42300
ggccaaggca	agaggattgc	ttgagcccag	gaggtcaaga	gcagcctggg	caaaataggg	42360
agaccccatc	tctacaaaaa	gataaaaaat	aaaaaaatta	actgggcatg	gtgatacacc	42420
tgtagtccca	gctactctgg	aggctgagat	aggagtattg	cttgagcctg	ggaggtcgag	42480
gctgcagcga	gccatgatca	tgccactaca	ctccagtcga	ggcagcagag	tgagatcccc	42540
cctcaaaaaa	ataaaacaaa	acaaaactca	tctctccctt	ggctcctgag	actacaatcc	42600
ctcacggttc	ttttctactt	ctctgttttt	ctcttcttgt	ctcccttttt	ttctgggtctc	42660
tctgtcaccc	aggctggagt	gcagtgggtg	gatcatagct	cactgcaacc	ttgacctcct	42720
gggttcaaga	gatcctccca	cctcagcctc	tcgagttagt	aggactacag	gctcacacca	42780
ccatgcctag	ctaataattt	tagattttgt	agagatgggg	tcttgctatg	ctgtccaggc	42840
tggctcaag	ctcctggcct	caagtgatcc	accacctca	gccacccaaa	gttctgggat	42900
tacaggggtg	agccaccgag	cccagccgat	aattgttgaa	aaatcatttt	cagttaagggt	42960
atccagtcaa	ggtcagaaaa	tgagaaaatg	ttaaaaaaaa	aaaagctata	agtaaaacag	43020
attcagtcgg	gacatgatgg	ttcacgcctg	caatcccagc	actttgggag	gttgaggtag	43080
gataatcact	tgagcccagg	agttcgagac	cagcctgggc	aacatagcga	gaccttatcc	43140
atacaaaaaa	atttaaaaaa	taccagggca	tgggtggcata	ctcctgcatt	ccctgctaata	43200
tggatgggtg	aaggggagga	tcccttgaaa	taggagtaga	ggtgcaggaa	atatgattgt	43260
gccgtgtaat	ccagcctggt	tgacagagca	agatgttccc	cacccccctg	aaaaaaaaaa	43320
aaaaaccta	atccaaattt	taaaagtttc	cttgactctt	caacttgctc	accctccacc	43380
aaataaaata	actacgaagg	aggcttattt	tttactattt	ccagggatac	gatatatgtt	43440
tgtcctgaaa	atatacatca	tggctttact	caagccacag	tgatgaggcc	tcattgtcac	43500
tgtagcctaa	ttacgatttt	ataactccat	ttaaaattca	atttaaacac	agtttaaaaa	43560
ttcagtccaa	gtcaaacatg	ctctcagtag	ctagaagcaa	aactctgttc	aggtccttga	43620
tggatctatt	tgtactttct	ttcatgaaaa	cagaaagtcc	ttttttacac	accatgcaac	43680
aggaaaattc	ataacggaca	ttgtttttacc	tgttcttggc	aaagacaagt	gagctcttaa	43740
caagcaaggt	aactatggag	atgatgtttt	gttccaagtt	aacacttaca	tattttaatta	43800
gaaagatttc	aaaggtgggc	agattcactg	gaaagtttcc	aaaagcttca	cttgttcaac	43860
aaataatgtt	agagagggag	caccgtgccc	tcgggcccct	aggaattagt	tccacatggt	43920
ccggtcctct	gtccagtgtg	cccagcatcc	acttgggaga	acagcatggc	cttctgtcca	43980

gggcagccca	cgccagcact	gcctgccctt	tcaggcccat	ggctcccatt	aagtgccatt	44040
tcgagcatac	ttagccaagt	ttccctacca	tggccaacaa	agaggttggt	caaaaatgct	44100
tgtaggtcg	ggcatgggtg	ctcacgcctg	tagtcccggc	actttgggag	gctgaggcgg	44160
gtggatcacc	tgaggtcagg	aattcaagac	cagcctggcc	gacatggtga	aaccccgctc	44220
ccacaaaaat	acaaacatta	gttgggcatg	atggcggggtg	cctgtaatcc	cagctgctca	44280
ggaggctgag	acaggagaat	tgcttgaacc	cgggaggtga	aggttgcaat	gagctgagat	44340
cacaccattg	cactccagcc	tgggcgacag	agtgagaatc	catctcgaaa	aaaaaaaaag	44400
tttgtcaacg	gtttcactga	atccagaata	cttttctaaa	atgtcaaccc	tatagaatac	44460
attttataaa	attatgaagg	cctggctctg	tgtagtggct	cacgcttgta	atcccagcac	44520
tttgggcagc	caaggcaggt	ggatcgcttg	aggctgggag	tttgagacta	gcctggccaa	44580
caaggcaaaa	ccctgactct	actaaaaaat	acaaaaatta	actgggctg	gtggtgcaca	44640
cctgtaatcc	cagctactca	ggaggttgag	acaggagaat	cacttgaacc	caggaggtgg	44700
aggttgcagt	gagtggagat	tgcgccattg	cactctagcc	tgggtgacag	agcaagactc	44760
tatcttcaaa	aaatagataa	ataaataaaa	attaaaacaa	aataaaattc	tgaaggcctt	44820
aggtcagaga	attaccagg	gaatattcaa	agttatacct	ccaagtatct	acaatgaaga	44880
tactttcatc	agaaaaaagg	agtttacggc	caggccctgt	ggttcatgcc	tataatctca	44940
gcactttggg	aagccaaggc	tgaggcagga	ggatcacttg	aggccaggag	ttcgagacca	45000
gcctgagcaa	aaacgtgaga	tcccatttct	acaaaaataa	aaaatgtaag	gtaggcatgc	45060
aactgtagtc	ccagctactc	gagaggctga	ggcaagagga	tcgcttaaac	ccaggactcc	45120
agcctgagca	acagagcgag	accctgttta	taaaaaaaaa	agaaaaaaaa	aaagaagaag	45180
aagaaggaga	agaaaggaaa	taaaatttaa	gaaaaaaaaa	aggacttaat	aagggtgaat	45240
gaaggcaaga	atattcttag	ctctgtttta	gtcaagacct	gagtagtagc	tctacgtagc	45300
tgtatgtcga	taatgttttt	gagacagcac	tactgataaa	ttgttacata	ataaactgtt	45360
atggctggat	gcagtggctc	atgcccataa	tcccagcacc	ttgggaggcc	gaagtgagt	45420
gatcacctga	ggtcaggagt	tcgagactag	cctgatcaat	atgggtgaaat	cccatttcta	45480
ctaaaaaaat	aaaaattagc	tgggcatggg	ggcgcacctg	taatcccagc	tactcaggag	45540
gctggggcag	gaggattgct	tgaaccagg	agacagaggt	tgcagtgagc	cgagattgcg	45600
ccattgcact	ccagcctaga	agacagagcg	agactccatc	tcaaataaat	aaactgttaa	45660
attaagttaa	gcctaaagct	acccctttac	atatttttaag	ttcagtctaa	aggtttccct	45720
gcacatagt	aactgtaacc	taactggatg	cgtaaacaga	ctataaccta	ctcttgggcc	45780
agtcactgag	ttttgggtcaa	tcaaaggcag	ccaactgttc	aaaccagggt	aaaataaggc	45840
agatgctgag	ctctaaccag	tccagccatt	tctgtacctt	gcttccattt	tctgtccatc	45900
actttccctt	ttctgtccat	aaatcttcca	ccagctggct	gtgctggagc	cactgtgaaa	45960
ctattctggt	tcaggggctg	cccaattcat	gaatcatccc	ttgctcaatt	aaactctgtt	46020
cattttaattt	gtctaataat	tttcttttaa	tcaaagtaat	ttggcggggc	acagtggctc	46080
acgcctgtaa	tccaacact	tcgggaggcc	gaggtaggtg	gatcacctga	ggtcaagggg	46140
tcaagactag	cctggccaac	atggtgaaac	ccgctctcta	ctaaaagtac	aaaaattagc	46200
cgggtgtggt	ggcgggcgcc	tgtaatccca	gctactcggt	aggctgaggg	aggagaatcg	46260
cttgaaccgc	ggagggtgga	gttgcaagtga	gctgagattg	tgccattgca	ctccagcttg	46320
ggcgacagg	caagactctg	tctcaaaaaa	aaaaaaaaaa	ttaattcaga	gacctactca	46380
tgtgaagtgt	tattttttta	ttctccatat	tacaaaacag	aacaattggc	acagggatga	46440
agaaatactt	tgcaaaacat	ctagagaggt	taaattgccat	gagtctttta	aatgtaagac	46500
tgctttcacc	tgagcaatct	agtgtccatt	tctagagcta	gcttaaatgt	ccgtgtaaat	46560
ccccgtaatt	ggttgggata	acaattacct	atgttgtata	acttgagtca	aaaactacgt	46620
ttccactgcc	tgccaccctt	atggatgggt	ttctcttaag	gtatcaaatt	ttactgggaa	46680
agacctagat	aaaatacagc	gaaaatgagg	cggggcgctc	tggcacatgc	ctgtaatccc	46740
agcgctttgg	gaggctgagt	cagaaagatc	tttgaattca	ggagttcaag	accagcctgg	46800
gcaatatagt	gaaatcctgt	ctttacaaaa	aattaaaaat	tagccaggca	tgggggcatg	46860
ggcctgtagt	cccagctact	tgggttgggt	gactgatgtg	ggaggatcac	ttgagcccag	46920
gaggttgagg	ctgcagtgag	ctctgaccat	gcccctgcac	tccagcctgg	gtgacagagc	46980
aagaccaggt	ctcaaaaaaga	aaagaaaaag	agtaattgta	ggtcaaggta	gaacctacct	47040
gtatttctgt	ttactatgga	agatattctg	gggtatctct	gagatccaag	tattatggca	47100
cttaagtaat	tcctatctat	tggttctactt	gggttctcgg	gagtaaaagt	catattcaaa	47160
ccaaaaaaggc	tgtgggattt	ccagaatttt	aaaagcaata	atagttaatg	ttctcccatg	47220
ggagttactc	cacattttta	catatgttcc	atatgttaac	tcatttagac	cttaccttta	47280

tgaggttaagt	cctcttcttta	tccccactttt	agaggtggga	aaactgagggc	acagaaagag	47340
taagtttgctt	gcctaaggcc	ctgttactag	caggtgggtga	aaccagcatt	ccaacccggg	47400
agtctggcaa	atgtgtgtga	agagcacacg	tttggaatg	acagtcatga	ggacactgta	47460
agacttctgg	aatgtttata	atttcacctt	tgcttgttat	ttttcctgtc	tgtttcccta	47520
gagtgcgtg	agtgaaaaaa	gaaagaagaa	agaaagaaga	aagagaaaga	gaaagaaagg	47580
agagaaaaag	aaaaaagaaa	agaaaaacag	aaaaagggaa	agaaagaaga	aatgaaagaa	47640
agaaaagaaa	agaagaaaga	aaagaaagag	agaaaggaag	gaaggaaggt	gggaggggag	47700
gaaaggaaga	agaaagaaag	aagggggaca	gagggagggga	atgaaggagg	gagagagggga	47760
gggaaggagg	aagaaataaa	aagatgagga	tctgtatgct	tgaggggtgg	aggtgggggg	47820
cttgggtggg	agtgtgggat	gggcagaaag	ctggagggag	ccctggaccg	actgcattcc	47880
acagaggatt	gtgggtgcaa	cgtaggtggc	agattgagaa	aagcaaaca	acaagctcag	47940
cctttggagc	ttcggggaag	aaaaaaagct	gagcagtga	tgctggcttc	ccacggagaa	48000
ggcaggctgc	ttcgccagct	cacatccttc	cgcgcacca	cttcctcttt	ccggaggtca	48060
ctttagattg	ctttatggca	ggatctccag	gtcacaggaa	tgttatgttt	cgactggggg	48120
ttccccctcc	cctgggatgc	ctgggccagc	tccccaaagg	ctagtctctg	tcccaggccc	48180
cacactccca	tagcactcag	caaaagccta	gagagagcac	cgcaaaatgc	caaacgcaac	48240
aggaccgcgt	aggaagaaga	cgcttggaa	gacagggaca	ctagaactgc	ccatggtcgt	48300
ggtctcaaat	ttttgttcca	tggtctgaaa	tactaaaagt	tcttaaacag	ctacttgatt	48360
tcatactatt	gttttgaaga	aaacagtgtt	tgtttgttgt	tttgtttgtt	tgtttgtttg	48420
agacagagtt	ttgctcttgt	tgccgagttt	ggtccatgtt	ggtcaggctg	gtctcgaact	48480
cctgacatca	ggtaatccac	ccacctctgc	ctcccaaagt	gctgggatta	caggaaaaca	48540
gttgtttctt	taaaacaatt	atataggctg	ggcacggtag	ctcatgcctg	taatcccagc	48600
actttgggag	gctgaggtgg	gtgaattacc	tgaggtcagc	agttcgagac	cagcctggcc	48660
aacatggtga	acctccgtct	ctactaaaaa	tgcaaaaaat	tagccgggcg	tggtggtgca	48720
ttcctgtaat	accaggctac	caggaggctg	aggcaggaga	atcacttgaa	cccaggaggt	48780
ggaggttgca	gtgagctgag	atggcaccac	tgcactccag	cctgggcaac	aagagcaaaa	48840
ctccatctca	caatctcaaa	aaaataaaat	aaaataaaat	aaaataaatg	gttatataag	48900
ctaccttatt	gatgcagtta	caaataagcc	gctgaaacat	ataaatttta	aagaacaagc	48960
cacatatctt	tcatacccca	cagcttcacc	aactaaaggt	gtatgtagta	cttttgtgga	49020
aggcatttcc	acatgctttg	agggaccttg	aaatactgct	atgattacat	gatttttctta	49080
aaaccagact	actcctacat	tacaagaatt	gaaaagttca	gagtaaata	ttgtaagacc	49140
tagaaaagat	gatgttcttt	aaaaaaaacg	atgcccatct	ttgtagcgaa	aagaaagaga	49200
gatcagactg	ttactgtgtc	tatgtagaaa	cagaagacat	aagagactcc	attttgaaaa	49260
agacctgtac	tttaaacaa	tgctttgctg	agatgttgtt	aattttagtc	tttgccccag	49320
ccactttgac	ccaactactt	tgacccaacc	tggagctcac	aaaaatatat	gttgtatgaa	49380
atcaaggttt	aagggatcta	gggctgtgca	ggacgtgcct	tgtaacaaa	atgtttgcaa	49440
gcagtatact	tggtaaaagt	catcgccatt	ctctagtctc	aataaaccag	gggcacaagg	49500
cactgtggaa	agccgcaggg	acctctgccc	tggaaagcgg	ggtgttgtcc	aaggtttctc	49560
cccatgtggt	agtctgaaat	atggcctcgt	gggatgagaa	agacctgacc	atcccccagc	49620
ccaacacctg	taaagggtct	gtgccgaggt	ggattagtca	aagaggaaa	cctcttgtag	49680
ttgagataga	ggaaggccac	tgtctcctgc	ctgcccctgg	gaactgaatg	tcttggtata	49740
aaacccgatt	gtacatttgt	tcaattctga	gataggagaa	aaaccgccct	atggcgggag	49800
gcgagacatg	tttgagcaa	tgctgccttg	ttattcttta	ctccaccgag	atgtttgggt	49860
ggagagaaac	ataaatctgg	cttacgtgca	cgtccagtca	tagtaacttc	ccttgaactt	49920
aattatgacg	tagattctgt	tgctcacatg	ttcgttgctg	accttctcct	tattatcacc	49980
ctgctctcct	actacattcc	tttttgctga	aataacgaag	ataataatca	ataaaaactg	50040
agggaaactca	gagatgggtg	cggtgcaggt	ccttggtatg	ctgagcgccg	gttccctggg	50100
cccactgttg	tttctctata	ctttgtctct	gtgttttatt	tattttctca	gtctctcgct	50160
ccactgact	agaaatatcc	acagggtgtg	aggggcaggg	cacccttcca	catcttgtct	50220
ccacttcctt	gattaaaaaa	aagaaaagaa	aaaaaaat	gccgaagttg	gattcattca	50280
cagaatttcta	cacattaaaa	atgttgtagg	tcgggtgtgg	tggcagctcc	caaagctgcc	50340
tataatccca	gcgctttggg	aggcttgagc	ccaggaggtc	aaggctgcag	tgaactgaga	50400
tcgcaccact	gcactccagc	ctgggcgaca	gagcaagacc	ctgtctcaaa	gaaaaaaaaa	50460
aaaacagaaa	aaaataacgt	tacagaaaaa	gtacaatatt	tttaatatat	atatatatat	50520
tttttttttc	tgagacagag	tggtgctctg	tcaccagggc	cggagagcta	tggctcgatc	50580

tcagctcact	gcaacctcca	cctccccgggt	tcaagcgatt	ctcctgcctc	agcctcccga	50640
gtagctggga	ttacaggcac	ccaccaccac	gcctggctaa	tttttgtatt	tttagtagag	50700
acgggggtttc	cccattgttg	ccaggctggc	ctcgaactcc	tgactttatg	atccgcctgc	50760
cttggcctcc	caaagtgttg	ggattacagg	tgtgagccac	catgcccagc	caaaagtaca	50820
atatttttaa	tgacatataa	agatgttcat	tctttgtggg	tgccctgggt	gagagggact	50880
attgatactc	aatagtgttt	cttttgtttc	tacattgttt	ctatagttaa	aatacgcatt	50940
ggctttgtat	taaaaaatgt	atagtaaaaa	tggtttttatt	aaaaatagca	aataactaca	51000
aaaactccat	tgcaatggaa	agcagccctt	ggatttttcta	gttgaatgaa	acgagtaatt	51060
tatccaatgt	tagaaatgtc	taaaggctcg	ctcaggtttc	atgagcagaa	caggaattgt	51120
atatccaatt	aaatgtgaaa	ttgcaatgcc	tgggtgcgggtg	gcttatgcct	gtaatcccag	51180
cactttggga	agccgaggca	ggggatcgct	tgagcccagg	agttcgagac	caccatgggt	51240
aacatgggga	ggccccatct	ctacaaaaaa	taaaaaatcgt	tagccgggca	ggttggtgca	51300
tgcttgtgtt	cccagctact	tgggaggctg	aggtggaagg	atcctctgag	cccaggagga	51360
tgaggctgca	gtgagacatg	atcgatgcac	tccagcctgg	atgacagagt	gagaccctgt	51420
ctcaaaaaaa	aaaaaaaaaa	aaagaaagta	caatcgcaat	taaatgtctt	tgctgtgggtg	51480
gctcctgacc	aaattcccta	agcaagcagt	atgttaatga	gcagaggggc	cacagctcac	51540
cttgctcaat	taaaggcagg	agcaggcccg	gcgtgggtggc	tcacgcctgt	aatcccagca	51600
ctttgggagg	ccaaggtggg	cggatcacga	ggtcaagaga	tcgagaccat	cctggccaac	51660
atggtgaaac	cctgtctgta	ctaaaaatac	gaaaattaac	tgggcatgtg	gcatgagcct	51720
gtaatcccag	ctactcgga	ggctgaggca	gaagaattgc	ttgaaccggg	gaggtggagg	51780
ttgcagttag	ccgagattgc	accactgccc	tccagcctgg	tgacagagcg	agacttcac	51840
ttaaaaaaaa	aaaaaaaaaa	ggcaggagca	agtatgggcc	agacagaaat	caaggtgtaa	51900
attgggcaga	tcctcaggcc	cagtgtctgaa	ttttggtttg	atgaaataaa	acattacatt	51960
tcaaggttgg	cagagaggaa	tgaaggtgga	agaggaatct	agggccattt	aggggaagcca	52020
tgaagcctcc	tgcccacact	agtgggtaga	gtggagccag	gcgttttgct	agggcttgct	52080
atatctcttg	gcagggtgct	ctgctgccaa	agccaagaat	tctaaattag	attaaatagc	52140
cagaaagaat	gttaaacatt	tggacatgat	atcctccctc	acagattagc	tagagtgtag	52200
ttctgctgtg	ctagatactt	aaataaatac	ctccctagct	gtgaagcctg	cttatcacag	52260
tactatattt	taggatgagg	tcattatttt	cctatgcata	cacatgcatt	gtataatctt	52320
gccaatgtag	gtcagcccaa	aagaagtgc	aaatgtgtag	aacacacatt	ggactagctt	52380
gggacaaaaa	tagtatacct	aaagatgaca	gatttcttaa	ctaattttat	gagccatgca	52440
gctttgtatt	ctagcagaga	cagacattag	gaatcttata	aaatcaaaaa	ttttaatttt	52500
tgcttgaata	gttccaaagg	gctaagatct	caagcaaatg	cgtgtagggt	ttgtttttgt	52560
ggttgttgtt	gttttttagag	acaggggtctt	gctctgtcac	ccatgctgaa	gtgcagcggt	52620
gcagtccctag	ctcactgcag	ccttgacctc	tcaggcttaa	gtgatccctc	tgcccttagcc	52680
tcccagtag	ctgggactac	aggcgcacgc	caccaccccg	agtaattttt	tattttttatt	52740
tttacttttg	tagagacagg	ggtctcaata	tgttgctcag	gctagtatct	tttttctttt	52800
tgagacagtc	tcgctcaatt	gcccaggctg	gagtgcagtg	gtgccatctc	ggctcactgc	52860
aagctccgcc	tcccgggttc	acgccattct	cctgcctcag	cctcccaggt	agctgggact	52920
acaggcgccc	gccaccatgc	ccagctaatt	ttttttgtat	tttttagtaga	gacgggggtt	52980
caccgtgtta	gccaggatgg	tctcgatctt	ctgacctcgt	gatccacccg	cctcagcctc	53040
ccaaagtgtc	gagattacag	gcgtgagccc	tcgcgcccgg	cccagtcctg	taacttaact	53100
ttaaagctac	ttattcccaa	atgaagatgg	gatggtacac	agatttttaag	tatttagctgg	53160
tttgaggctt	ctgtctttta	aagcaacatt	ttactttgcc	acaggggtgg	ggggcggggg	53220
ccatcctaga	aagaagagtg	tgagtttcat	gggatagggt	ctggggagggt	ggctggagga	53280
gtttagggtc	ttttgatatac	tgtggctaca	cagacagata	accaaggaaa	atgtccaaac	53340
agtgaataa	agtgtcact	gcactaacac	agagaaggac	cctgatgtct	ggccgcaggc	53400
ctttgttctc	attggcttca	aagaacttct	tgatgtctac	cttaatttca	ttattattta	53460
cccaggagtc	attcaggagc	aggttgttca	attgccatgt	agttatgtgg	ttttgagtga	53520
gtttcttaat	actgagttct	aatttgattg	tgtctgtggtc	tgagacactg	tttcgatttc	53580
agttctttgt	catttgctga	ggaatgtttc	atttccaatt	atgtggtcga	ttttagagta	53640
agtgccacgt	gacgtcgaga	agaatacata	ttctgttgat	ttcggggggg	agagttctgt	53700
agatatctat	tagtccact	tgatccagag	ctgagctcaa	gtcttgaaata	tccttattca	53760
ttttctgtct	cgtaaatctg	tctaataattg	acagtgggggt	attcaagtct	cccactatta	53820
ttgtgtggaa	gtttaagtct	ctgtgttaggt	ctctaaaaac	ttgttttatg	aatctgggtg	53880

ctcctgtatt	gggtgcatat	gtatttagga	gagttagctc	ttcttggtga	attgctccct	53940
ttaccattat	gtaatgcccc	tctttgtctt	ttttgatctt	tggtgggata	aaattacatt	54000
ttatgtcccc	cttcctatag	tttgtcactg	aggggtggca	gaagttgaaa	ggaagaagac	54060
atttgggtgt	ttgggttggg	gttatattag	gttataaggt	tcattgcctc	cacctctttc	54120
aaaacattta	gtttctaaat	gaatccagct	ttaaatagact	gcaggagtgc	ccatgcacaa	54180
ttttgtttct	caaatctttg	ggatttttcc	ttgaagaata	ttcacaggga	atggggctgt	54240
cttgcttcat	agttactctt	ttgtatacat	gatctcaaga	atcgctgat	cactgctaga	54300
gttaaaccac	tacactaact	gcctgaagtg	ctgaaaagtc	aaatgggggc	ttagaacctc	54360
actccagatc	ctacacaagc	tgatggttct	gttcccagaa	acaaccagc	ttcctcatca	54420
tctatggcca	gtgccttgta	gcggagctgg	agatcaccct	ttagtgggct	cttcagctgg	54480
atctagaaat	caaattgaca	ccaggcagat	taacaagaga	aaagtataca	gattttattg	54540
cttttatatg	tacttgggaa	tctgcacaag	ggcaaagtcc	gaagaggtgg	ccaaagcaag	54600
gtgcttttat	acatttttag	aaaaagagcc	aaaaaattgg	agaagaaatg	ataggacaaa	54660
gaaaatctag	ccaggcagta	aattttctag	gagaatcact	aggacatata	tgaggaaagg	54720
tgtgtaaaac	aggtgaaaga	taagggctag	ttcattaaac	atgtttactc	tggtccattg	54780
tagcctctac	gataaggagt	attttctcgc	tctggtgtgg	acagggcacg	cctcccagag	54840
caacctttat	cacttactgc	atgcaggaag	agacaggtca	gcccgcctt	cctgaaacta	54900
caatttcttc	agtgttttca	actcaaaata	atcaataccc	cccatctggc	atatctgggg	54960
atggcacgtc	ctttactcct	tcaggctctt	ctccctgaag	gtcctttgca	tagttgggaa	55020
tctccaccag	gaggggtagc	tctttggtct	aaacccatgg	tggcagagtt	tcgacaatat	55080
tcccaactta	aatgtttctg	attctgagtg	gtggttagat	ccctttgtac	accctgttcc	55140
ccagtgccta	cagaatgggc	atgttaataa	gtgttggtcg	aacattcaat	gatggataag	55200
gaagaatagg	aggcaagaga	gacggtggtc	tccagtgcc	agccccagtg	ctaactgggg	55260
tgattttttt	tcatgactca	ttttcctaaa	atcacctca	agggtcctac	aaaactcttc	55320
ccaacagcta	aatcacagac	taatctggcc	catcgacgtc	ttccctgatt	atactaattt	55380
ttttgtgttt	ttttttttga	gatggagtct	tgctctgtca	cccagggttg	agtgcaatgg	55440
cactatctca	gtcacagca	acttccacct	cctgggttca	agcgattctc	ctgcctcagc	55500
ctcctgagta	gctgggactg	ccagcatgcg	ccaccatgcc	cggctaattt	tttttttttt	55560
tttttttagta	gagatgagat	ggggtttcac	catggtggcc	aggggtggtc	tgaactcctg	55620
accgcaagtg	atccgcttgc	ctcggcctcc	caaagtgtcg	ggattacagg	tgtgagccac	55680
tgcgcccgcg	catatattaa	tggtttttga	tgaatttgtt	ccatagatta	aaatcttgtg	55740
ccccatcgcg	tgtggggctc	catcgcatgt	ggggcacagg	gttcctgagt	gtttgtgggt	55800
gtcaaaccac	gatgatttct	tgcttaatca	agcagatttg	aaagttcatc	tctgtacca	55860
ggaagcactt	gctcaactca	gaagacaatg	tcctatcagt	ctttcactat	cacgcactctg	55920
ttcttcaaga	tccgtcaaat	tagctccagt	gaaacggagg	ctaaagtga	actttttctc	55980
ttatatagat	ttttattcat	aactagggaa	aaattaggca	cccacagaaa	aataataacc	56040
taaaaaaatt	aggctgaacg	taagaaaaat	ttgtgatgaa	ataaacattt	caatcaacag	56100
aaaatatttt	tctgactttt	tatgtgccac	cattagttac	atcattgaga	aaacaatatt	56160
tgtattaaaa	aaagagctgg	tgaaaatctg	gcaattgggtc	gggcatagtg	gctcgtgcct	56220
gtaatcccag	cactttggaa	ggccgaggca	ggcggatcac	ttgaggtcag	gagtttgagg	56280
ccagcctgac	ccacgtgggtg	caacccccctc	tcaactaaaa	atacaaaaat	tagctgggag	56340
tggtggcagg	cgcatgtaat	cccagctact	agggaggtta	aggcaggaga	attgcttgaa	56400
tctgggagat	agaggttgca	gtgagccgag	actgagccac	tgccttccag	cctggtgaca	56460
gagcaagact	tcactctctc	ctcttttact	ttttttaaag	acttcttctc	aaaaataaaa	56520
agaaagaaag	aaaatctggc	aatccagtaa	aaactggcca	ctatggcatg	catgtgctat	56580
gcataaacgt	aaattgatgc	ataaacttaa	ttttagaact	ggaaggaaat	ctggagttct	56640
ttaggagcca	ggttttacac	atgcagaaac	ctaacagctt	cagtttcgat	tcgataaaat	56700
ttgactaact	aaacttaaga	taagcatagt	tacgcattag	agtattaact	ctcaaacttt	56760
taaaaaagaa	ttcttccttt	gcttgtaaat	tttctttctt	tctttttttt	ttttttgaga	56820
tagggtcttg	ctgtcgtcca	ggccgaagtg	cagtgcgtc	atcatagttc	actgcagcct	56880
ctacctcccc	ggctcaagta	atcctcagta	ctcagccttc	tgagtatctg	ggactacagg	56940
catgagccac	catgcccagc	cttttctttt	cttttctttc	ttttctttct	ctctctgtct	57000
ctctttcttt	cttttttctt	ccctttcttc	tttttttttg	atggagtctt	gcactatcgc	57060
caggctggaa	tgcagtgggtg	cgatcttggc	tactgcaac	ctccgcctcc	gggttcaagc	57120
aattctctctg	cctcagcctc	ctgagtagct	gagactacag	gtgtgtgcca	ccacgccagc	57180

taattttttt	atttttctag	agacgggggt	ttaccatggt	ggccaggatg	gtcttgatct	57240
cctgacctca	ttctccacct	gcctaggcct	cccgaagtgc	tgggattaca	ggcatgagcc	57300
accgtacctg	gcccttttct	tctttttatc	aagacaacaa	catgtcttta	tagtgctccc	57360
aaggctaaag	tataccttac	gtctatgtaa	acactcaacc	tgagctttgc	aatggcccat	57420
gttggcagta	gtgcaaacaa	aaacaattat	gaaacccatt	ttcctttgac	aaagagaaat	57480
aagtggcaag	aattggttct	ttctcttagt	atgggtctct	gaaaagaacc	agatcagtca	57540
aaaggggaat	atttttctga	agggataggt	ttggcctagt	ggcttctacc	tcttttagat	57600
gactgctggt	tctcgtttta	atgttaaata	gacactaata	ggagaaatca	cattaattca	57660
gtcaacaaac	atttactgag	cacttcctgt	agtcaggccc	tctgttaact	tctgggaata	57720
caatgacaac	tctgacaatc	ccaacccaag	gagccaacaa	gtccgggaat	agagacagac	57780
aagaaaacag	acaattacaa	ctctaccgtt	agaataaagg	tacattgaga	acttgcaaca	57840
aatattcctc	atccccttat	ttaattatct	ataacatggt	taccaccaat	aagaatagca	57900
ataacaataa	atgcccact	cagacagcaa	tgctcattta	ccctgtgttt	acacagcata	57960
atacaagcaa	gctgtggaca	gagattctct	tgtttagtcc	tcacaactct	gcaagggtgg	58020
ttttattact	ctccatttct	agataaagga	tctcacctaa	tattacatgg	gccagtggtc	58080
ttccagtgg	ggtatgcaca	accctagggg	taggtgagga	ccctgcctgg	ggtcttcagg	58140
tggggaccat	caacctccat	ttgtactctt	ttctgaacat	tgggtctgaga	cagaaagtcc	58200
ctgcaattaa	ggcattaagc	tggctctttt	tctatttctc	atttcataat	tgcccttctc	58260
ctgctttacc	aaaatctttc	acccccatc	atataatata	atccccatac	atattctata	58320
tatacatacc	ctacatatgc	atgcacacac	atcatatata	tgtatgcata	tatgatata	58380
acatatatgc	tatgtaaaca	tatatagtgt	gtatatacat	gtgtgtatgt	gtatatgtgt	58440
gtatatgtgt	atatatacac	gtgtgtgtgt	acatatatac	atcatatatg	tgtgtctata	58500
tatgtatata	tgggtgtgtc	tatatatgtg	tatatgtacg	caaatacgt	tatgtgatgt	58560
atatatataa	gatgtgtgtg	tgtatatata	tgtgtttgca	tgtgtgtgtg	tatatatata	58620
tagtatatac	atattttttg	agacagcatc	tcactctgtc	gcccaggctg	aagtccgggtg	58680
gctgatgaca	gctcactgca	cctcccggct	caagtgatcc	ttccacctca	gcttccgtga	58740
tggctgggac	tagaggcgtg	tgtcaccaca	cccagttagt	tatttttatt	ttcgtagaga	58800
tgggtgtctc	actgtattgc	ccaggctggg	ctcgaactcc	tgggctcaag	cgcttttcca	58860
cctcgacttc	ccaaattgct	gggattacag	gtgtgagcca	ctgcaccggc	ccatccttta	58920
ttttaatatt	atgcagtgcc	ctgagacata	taaaaaaccc	accttcccaa	gtaaaggaaa	58980
ttcaagctga	tgcttcgaga	gccttcttta	acaaaggctc	tgaaaatacc	tctctcatta	59040
aaatgatact	ttccaataaa	attttgttta	acaatgattt	acaaaatgat	aaaatttatt	59100
tattttgatt	gtgtatggat	catggtaaca	ataaaaagac	ttgtaaaaat	aactaaattg	59160
aaagaatctt	gaacattttag	agccttaaga	ctgtaggaat	tgaagaccac	agaattatta	59220
attttatatta	atatttttgt	tgcagagaca	taatgaatga	tcaacgaaag	gcttttaagc	59280
gttaaaaaata	tattacacta	gataaaaatta	tttgcgggaa	tgggatggaa	atacattttc	59340
aagagagaaa	ggagcaatgt	aaaatgaaga	tgtaaaatcc	ttctgctggg	tgtccttggg	59400
gttttctttt	aaagaaaagc	ttggcagtgt	ttttcttttt	ttccattgga	tgatggtgaa	59460
tatcaaatca	ctttggtgct	aatatttcat	ttaatacatt	aatttttaaa	ttttctgtag	59520
aggtgggatc	tcactatggt	gtccaggctg	gtttcaaact	cctggcctca	agcaatctcc	59580
ctgcctcagc	ctcccacagt	gctgggatta	caggtgtgag	ccactgcata	cggcccccatt	59640
taatacatatt	aaaagagtgg	tgtaaacaatt	tttattttaa	atgtcatatt	tacaatatct	59700
tagaatgtat	atcttttcaa	ctcattaaac	ctaaacatcc	ttgtaaaaag	tgtgaaaagt	59760
tatatagttt	ttcaaaaattc	gattagcagt	tacataagca	taaatgttta	aagtatgtat	59820
ggtacagcca	ggcttcagtt	ccctgtctta	aacacaaaga	tccatatcaa	ttccagatac	59880
tgcaatgggt	tgtgtttttt	cctgcttccc	ccatctccaa	ataaaactaa	gcatcaacat	59940
gcctcacctc	acataaccct	aagttttcag	cagtggcag	ttacacctgg	aaaccatttt	60000
tctaaaaata	acaacaactg	tttgcttacg	gatcaaaatg	caaaggacca	taacatttag	60060
cctcaccttc	ctactacaga	tcgagtttaa	aagtgccatg	gtatagctaa	attatgaaga	60120
aagatatgaa	tataactgca	aaagtggaa	gagatttggg	ataattcttg	cccattttgt	60180
taggccaat	gcatctttgt	gcaaattaga	aaaagggtgt	cttcacccct	tcactcctat	60240
ccttttgggg	gtggaggggc	agtggctaaa	gtacagacta	ggtttcagct	accacatcct	60300
ccttcagtta	gtgcccctcg	gctgacaga	aacatgtgca	aacagccctg	tgcctttgtc	60360
ttatgttcca	gccagccaag	aaaaatagtt	gtaaaagagc	agctgctgtt	tggggtaatg	60420
accttggacc	ctccccaatt	tgttccaagc	ctgtttttgt	attcattttt	cccacattta	60480

tgttcctgga	tggaagcttc	catatctgct	cttggcccta	tttgaaattc	cccagatttc	60540
cttcctggct	cctggccttt	ggtttttcat	gtggctcctg	atcccacacg	ctccctgaat	60600
ttggattctc	ctgtcatttc	aggtgcgagg	tttcccta	cagcctcttg	ggcctcacct	60660
ccaatacctc	tttcccatca	gaacagcccg	gaccttcccc	tatggtagag	cagagacaga	60720
atttaaataga	attctcaaga	agtgtcttga	ctcatatcta	gcaaaattac	atggcattta	60780
acctttgaca	caaaaaatgc	agcttctagg	aatctatcta	aagatacact	gtggcaaata	60840
tacaaaaaga	agcattattt	atcaagcact	atcttcta	aaaataattc	ttaggtcagg	60900
cgcaatggct	caggcctgta	atcccagcac	cctgggaggc	tgaggaaggc	agatggcttg	60960
agctctggag	ttcaggacca	gcgtgggtaa	catgacaaaa	ccccatctct	aacaaaaata	61020
caaaaattag	ccgggcatgg	tggcatgcac	ctgtagtccc	agctactcga	gaggctgagg	61080
tgggaggatc	gcttgagcct	gggaggcaca	ggttgcagt	agccaagatc	gcaccactgc	61140
actccagcct	gggtgacaga	gtgagaccct	gtcaaagaaa	gagagagaga	gagagaaaagg	61200
aaagaaagga	agaaaggaag	aaagagaaaag	gaaagagaaa	gaaagagaaa	aagaaagaaa	61260
gaaggaaaga	aagaaagaaa	aaagaaagaa	aaagaaagag	aaaggagaaa	aagaattctt	61320
actaataaat	gcaggagaaa	tgatagaatt	gaaatatcac	cattttcaat	tcctaataga	61380
ataacgtatc	taggcaatga	ccatcaatag	ctagatgcta	aaatcatctg	atcaaacact	61440
gatgggaact	tcgtaacaga	tggatcaggc	taacaacatc	tgaaaccact	aactggtttt	61500
gatgtcataa	aaagaaaaac	aaccagatat	tttctgtctc	ctgatgagtt	gcaattggag	61560
ctacatatca	cctgtaaagt	cttctggcca	aaaaattaag	cccagccgga	ccttattaaa	61620
cctttaaatc	taacaattag	ttttgaagct	tttacagatt	aaatgaagtc	tgagattttgc	61680
ttcaaaatga	accagtgggtg	gggaggaagt	gggtgaggtg	taggtgaaac	aagattggcc	61740
acgtcgataa	ttgctggagc	tgggcgatga	aagcacaggt	atztatcaca	ccatctctct	61800
acttttgtgt	gtttttttgt	ttgttttttg	ttttggtttt	aaggagcaga	gagtctaata	61860
ggcaagaaag	aaaagagaag	gctgaaggaa	gacgtcccc	cgtacagaga	cagagggagg	61920
gggctccaaa	gccgaaagag	gaggtcctct	tgtgtatgtt	ttaaaatact	cccagataaa	61980
atatttttgg	aagagtactt	ggttggattc	aacagctttt	ttttaattta	aaaaaatcac	62040
ctcaattttt	ttgcttgctc	taacgtgcca	tagaaattcc	tgaggtttta	cttgttgctt	62100
tacaatgaac	tgtgtaaaca	caagctggaa	gagatcagct	atgctgctgga	agggttgggt	62160
aaatattgag	actgccttgc	tgagggaagc	cttttaatga	atctcagtaa	ttttgcaaga	62220
gaaaagataa	caatgaacac	tacattaaac	atcattcttt	tgacttttgc	taaataatgtg	62280
tatgtaaatt	actgtctgac	tgttactgga	tatatacagc	atatacatat	gcactttttt	62340
tactgttttt	tttttttttt	tttttttttt	tttttttaca	gagcttgctc	tgctcacctag	62400
gctggagggc	agtggcgagc	tctcagctca	ctgcaatctc	cgctcccag	gttcaagcga	62460
ttctcctgtc	tcagcctcca	aagtagctgg	gactacaggc	gcctgccacc	gctcctggct	62520
aattttttgta	tttttagtag	agacagggtt	tcactatgtt	gtccaggctg	gtctcgaact	62580
cctgacctcg	tgatccatct	gcctcggcct	cccaaagtgc	tgggattaca	ggcataagcc	62640
accgcgcccc	gcccattgat	actatttata	catttttagt	atcattttgt	ctttacattt	62700
tacataattt	cagatacatt	ttctcatat	caaataattc	agcatttttt	agtactaaca	62760
tcatagtctg	taagccattc	aaaaaatgta	tttcacaaaa	taggctatct	catcctttga	62820
gctattgaga	tgaatttaatt	tatactcttc	ctaagatccc	tctcgtcact	aagattcttt	62880
tattttatga	caaaaccata	gttctagaag	cttggttctc	ccacctgaaa	agactggatt	62940
tgggacatga	tcctgtagaa	cttcggaggt	aagcctgggtg	aatcagatca	taggggggtct	63000
ggagggtgaa	aaaaaagggt	ttggtgctca	tggatggggc	tagtattggg	gtgtagggga	63060
gattaggtca	aagcaagagg	attcaaagga	gaaatgaatt	ccttttagatt	ggggaagata	63120
atcggaagag	gtaaaagaca	ccgtccatga	cacttctctg	ggaagcagat	gtatgtataa	63180
ggatgtgagt	attgtggttt	tgtaaagaat	gcattcctga	agatgttgca	taattttaaaa	63240
cctacatatt	ttgattaatt	ttctcatgag	aatagcaggg	tatgtgttct	cggcgctcac	63300
aaatgtataa	tccattgtgg	caaatttttg	ctttcacata	ttttttttta	tcattattgt	63360
cacaggttct	gtgacggagt	tctggtttct	aaattcacag	cataccaagg	cagttcttta	63420
aagttcttga	tactctttta	tcatatctaa	cttgatttcc	aaaattattg	agttggagca	63480
ttttttccca	gcacttagga	ccgctatttc	atggatgggt	ggagaggggg	tccaaaaatt	63540
ttacaattat	gttaacaaaa	gtaacacagc	aacaaaacaa	taagcaaaat	cactgccaga	63600
gtattcctta	gcttgaaaca	atacggttca	catcgataga	atatggcatc	tatttctgtt	63660
taatcagtta	accctgctaa	gtagcaagag	cttacaattc	atgtctaaaa	tcattgattt	63720
tttactagtt	ttttaaaaaa	tgtgggctct	atatatataa	tttaacattt	tgcttgtaag	63780

acttaatttt	gcctgggtat	ggtggctcat	gcctgtaatc	ctagcacttc	aggaggttga	63840
ggcaggagga	ctgcttgaac	ccaggagttc	aagaccagcc	tgggcaacac	agtgggaccc	63900
catcactacc	aaaaaaaaaa	aaaattagtc	aggcatgggtg	gtgtgcactt	gtagtccag	63960
ctacttggga	ggctgaggtg	ggaggatcac	ttgagcccag	gaggtcactg	ctgcagtga	64020
ccattattgt	accacaacac	tccagcctgg	gtaatagagt	gagactctgt	ctcaaaaaaa	64080
aaaaaagact	atcttctaaat	gtgtggctat	attataccat	ataaatgtgg	cttcttgggc	64140
aaggaaagag	gacaatatag	atgaaaaaga	aattgatcct	accagaagtg	atccttttat	64200
ctgcataact	ctcaggcagt	tgtggcaaat	aattggcaat	atctattgtt	ctgaaactgg	64260
ttttcgcaac	ttttattggg	aacaccatcc	cctctcctgc	atgatcagtt	tctcctctcc	64320
acggatcatt	cacatgagta	aagtcagtag	cgtgctggta	aatgtttaag	atcttgttct	64380
ttgggggaaa	aagtccctaa	gttctagcag	ttgccctgga	taacttcaag	gtatcaacat	64440
ggaagtattg	tacaaaaatg	gctgtcacaa	gccagtatga	gctaacacca	acatactacc	64500
cagtgttctt	caaaacttcag	ctcacagccc	attagtgggg	cttgcaaaca	ttttagtgga	64560
ctataagcag	catttttttt	aaatgaaaaa	gtagattgtt	ttacacataa	caggagtatt	64620
gttttgtaca	attttttttt	tttttttttt	tttttagaca	cagtttcact	ctgttgccca	64680
ggctggagta	cagtgttaca	atctcagctc	actgcaacct	cggccttctg	ggttcaagcg	64740
attctcatgc	ctcagcctcc	cgagtagctg	aaattacagg	catgcgccac	aaggcccagc	64800
taattattgt	attttttagta	gaaacagggt	ttcaccatat	tggccaggct	ggtctcaaac	64860
tcttgacctc	aagtgatcca	cctgcctcgg	cttcccaaag	tgctgggatt	acaggagtga	64920
gccaacgtgc	ctggtcaaaa	tttttgtttt	cgtaatttta	agtatgtgtg	tagtaagtct	64980
caatggaaat	gtaattctta	tggcagggtca	cttgaaaaaa	aagaagtcta	aaagtcacca	65040
atgtagtata	ttctctttaa	aaaaaaaaaa	aaacaacagg	agaaaacctg	aatctgcctt	65100
ttgctccact	ccttcctcag	ctataatgct	gcttctccat	tcctcctcac	agcaaacctt	65160
tctgaaatct	ttatagtcac	ggtttccacc	agttcttcac	ctcccatttc	tcaacacact	65220
tcagagtcat	agtcagcaat	gacatccatg	ttcctaagcc	cattgcttac	ttccgtcctc	65280
cttggcctct	cagcacactt	ggcacacagg	ctgtttctct	ttctttggca	tctgtgacac	65340
cactctcagc	aaattcccct	ggttgtccct	tctcagtcct	atctattggc	gttgtcttat	65400
ctccccaggg	ctgtccgagg	tgattttctc	ccactactct	cctaggtggg	gccatccaat	65460
ctcatgatgt	catatcattc	ttccctcatg	cttcagccat	actggttggg	ggcctttgtt	65520
tctgaacac	atttaaatgca	ttctcaagac	cctcaggggac	tttgagcag	ctgctcgcta	65580
aggctggaat	gctcttcccc	accatcttca	tatggctgtt	tcctttcttt	cactcaccag	65640
cagcttaaac	tttgactcct	ctgagagact	ttccttgtca	cccaactaag	gttgccactc	65700
agggtgtccc	atcttaaatc	tctctaaaac	acatcactgt	atgtgtcctc	aactagagta	65760
taagcttcct	cgaaacaaga	acaatcaaaa	ctccttgccc	tcattggagt	tatagtctta	65820
tgatgggtga	agtaacataa	aataaaaaag	caccttatat	agtatattag	catgacaaat	65880
gtagccaga	aataaagcaa	ggaagagttg	ctagggagtg	tgtatgagtg	tgttttggga	65940
gagtgtttgc	aatttttaaat	attggtgggtc	aggaagggcc	ccactgagaa	ctgacatttg	66000
agtagacttg	aaaagggaaa	aggaaatatt	gagtaaagat	tttaggatgg	gagtgtgaca	66060
ggcctgctag	gagaatagca	aagtcgctgt	ggctgctgca	gaaaaagtga	gaaggaaagt	66120
agtaggagat	gaaatcacag	tgtgtgagga	ttcgggcaga	tcaggaaagt	ctcgtgtaag	66180
aactggatct	ttactcaaag	aatgagcaaa	aattagtaga	cggttggccg	gatgcagtgg	66240
ctcacacctg	caatcccagg	ttacaggagg	ccgaggcggg	cggatcactt	gaggtcagga	66300
gttcaagact	agcctgggca	acatggtgaa	acctcatctc	tactaaaaat	acaaaactta	66360
gctgggcatg	gtggcgcgca	cctgtagtcc	cagctactca	ggaggctgag	gcacatgaat	66420
cacttgaaca	cggtaggcag	aggctgcagt	gagctgagaa	tgtaaacactg	tactccactc	66480
caacctgggc	aacagagtga	gactgcctca	aaaaaaaaaa	aaaagtaggt	tttagtaagg	66540
gattaacatg	atctgaatta	tgttttgtca	tgacttctct	ggctgttgtg	ttgagactac	66600
attgcagagg	ggcaagggca	aatatagggg	gaccgattag	gatactgcag	taataatgta	66660
agagatgtgg	gactctatct	agaagggccc	atgaggtcct	ttgcatgcta	gtattcttta	66720
ctgctgtgcc	tggccatgat	aggcattcag	tgaatatttg	cttatttaaa	ataacacact	66780
gggctaattg	aacaacagtg	ccaaatgagg	gagatatttc	taggaataag	ttcttaggat	66840
ttatgaacat	tttaattccag	atcttctttg	ttaactctgc	tctctggccc	tttctactcag	66900
ccccgtttgc	acctaaatat	gacttacaaa	agaaacacag	catttatgtg	tacttatttc	66960
aacttacttt	agctttgtaa	agaagtacaa	ggttgactca	gggcccagct	tggtgtctca	67020
tgctgtaat	ttcagcattg	tgggaggcca	aggcaggaag	atattgtgag	cccaggagtt	67080

tgagaccagc	cygggcaaca	cagtggaccc	tgtctctaca	aaaaaaaatt	tttaaattag	67140
ctgggcatag	tgggtgtcgt	ctatagtccc	agctactcct	ggggctgagg	tgggaggatc	67200
acttgaggga	aaccctgtct	caaagtggcg	gggctggggg	gagactcagg	cagaattgtg	67260
aagatattca	attgctcctg	actttatcaa	taatctaaca	tttcaaccta	acattgatat	67320
ctattttatg	caaagcatta	cactatgcac	tggagactgt	ataagacaag	ttccttttct	67380
caaactacag	tcgagttgga	tagataaaaac	acacaacaca	taccaaaga	cagctataaa	67440
tccaaggcag	tgtatgtcaa	gggtaaaattc	acctattcag	attggatcct	gagaagtgca	67500
tcaggcttgg	aaaatgggta	aggaggagag	aaaagcaaca	gtgaatcaga	acatgagttc	67560
ccagttatgg	gacttgtaat	gaattcctca	attaaaacaa	aaaataatga	aaacaaaagc	67620
cagggaggag	aaagcccacg	ttaatgacac	taaaatata	ctttccaaac	aaatgtggat	67680
aaaagccaag	tagagaagat	gagaactttg	aggtccctaa	cacaaaataa	acagtaagca	67740
gccagccatt	ccaagtggct	gacatgactt	tgtttaactt	tatttgtatt	tctggctggg	67800
gtgtttacag	ccaataggtc	aaactatcag	tcagtgtagg	gccctgagaa	gtcgggtatt	67860
taagagcatc	taataggcac	agaattgtgc	tcatactgc	ttaaaactgtt	ccctaagtgt	67920
ccaatttggg	gaaaacaccc	acacgcagga	taaccgcgga	gtgacgcgga	gtggctgcga	67980
gtccaagtta	tcactaacgg	atggggagct	tgggctgggc	acagtccagc	gtactgaacc	68040
cttccccac	cgtttcacct	gcatacagag	gtgtgtactg	tcaaaaagca	gcgcctccaa	68100
gtctcttctg	gcactgtctg	gacttggatc	cgaggcagac	gaggaagctg	agaaaacctt	68160
ggcgttgacc	ccgtggacct	gggcgccccg	ggaaggccag	cgcttgggtc	aggcaggcgg	68220
ggcctgtgcg	gtgaccaccc	tggctcctgaa	aagtcccagc	cccgagcgcc	ctccctccta	68280
gacctggagg	cctggaacag	ccaggtggac	gtcggccac	ctttcttttc	tttcttccc	68340
attttccctac	cacctccac	cccactccgc	cttcgggca	aaggcagcca	gatccacca	68400
ggacacattc	tttgcctta	tccctctgtg	ctcgtccac	agcaagccag	tcgcggtcca	68460
aggctccaga	ggctgtgcag	gaggccgagc	tgggtggcga	tcagcggcgg	gtccctgtcc	68520
aaaayccagc	agagccgcca	gggacgcccc	agacacagaa	ggcggggcgc	ggggaggggtg	68580
gggagaccac	agcagtgagg	cgcgcgagcc	gggaagtga	cgaggactga	ctcctgtcgc	68640
ttcccgtagc	cgcccacgga	cgccagagcc	gggaacctg	acggcactta	gctgctgaca	68700
aacaacctgc	tccgtggagc	gcctgaaaca	ccagtctttg	ggtgagtcgc	gcgacccccg	68760
gcctcgggtg	gcggggcagt	cgctagaggc	gtggctgtct	tgagggtctc	gccagtggag	68820
gatggcattc	ggatgtcacg	gtcctaaat	caccatttga	tgggtgggac	agtgtccagt	68880
ccaccccgac	ccgcgggtcc	tcaccgcggc	agagccgggg	ctgggtggcg	gggacgctgc	68940
ctctgcaggc	gaggcgctcc	ggggcataag	ggattacag	gagtcgcggc	ctttcttggg	69000
catccctggc	tgggttcagg	ctgtttgccc	tgggtgtct	cctcgctgca	aaccacccc	69060
acctgggtg	ctttctcacc	tgttccctcc	tagcctgagg	ccgagcgcca	cctccaagtg	69120
gaggaatctg	gggaagtctt	cttcccgga	tttgtagtga	cagtggagtg	acctccattg	69180
cgttccctgc	ctctaacacg	ctcttttagga	tgccgagtca	tttgactgca	gtgttaaaca	69240
ttgcaaagcg	caagtcatgt	gacttccttt	gaccgtacgt	gaaacttaag	tgatggctgc	69300
ttgtgatgca	tacgaagtgt	tcatgctggc	gggacctgtc	cctggggata	cttcgggggt	69360
tgcgtgattt	aatgcaagca	gatggcttaa	attgggtcac	tggcttggtt	ttatacatgt	69420
gtatggcaac	tcggcatcca	ttctttttgc	tcttggtctt	acttcctgaa	ttgagtcacg	69480
gagccagagt	tttgaggttt	tgactaacga	attaagttaa	tgacatgggg	ctatatattag	69540
gtggtaaacc	aagagggata	cagttttttt	tcttaataaa	gaaaaagtga	tagatttgat	69600
cggtgtgtat	tgttgggtgtg	cagtataatg	acagaattgc	tggaaagtaa	atacaggaag	69660
ctctggtttc	atttccctt	tagttctgct	taaagtcgag	tttttccctg	agctattaaa	69720
tgtagtgtag	tgtccatgag	tgctttttatc	ttaaaaaatg	tggctgatgc	tttccaacac	69780
tccctgccc	tgtgattatt	atttttttaa	gcaacagaga	aaactgtatc	ttaatagtat	69840
taaaagtatt	ggatttttcc	ctactttgat	ttgtttaaat	tggaggagga	agagcaattc	69900
tttctattca	caataataat	agctaacata	gcgcttactc	tttcgctggt	ttattaactc	69960
aatcctcaga	acaaaccaat	gatgtgaata	ctgtaattct	cattttatgg	aaatgaaaat	70020
ttaaataaat	acctctgata	attgtacggg	actgtttgat	tagtatttac	cattaattaa	70080
ttaaaatttt	ttttttttg	agatggagtc	tcgttctggt	gccaggctg	gagtgcagtg	70140
gcacaattct	ggctcacttc	aacctccgtc	tcccagggtt	aagcaattgt	cctgtctcag	70200
cctcctgagt	agctgggact	acaggtgcat	gccactacgt	ctggctaatt	tttgtatttt	70260
tagtagggat	gggatttcac	catattgggtc	aggctgggtc	ccaactcctg	aacctcaggt	70320
gatccacccg	ccttggcctc	ccaaagtgtc	gggattacag	gtgtgagcca	ccatgcctgg	70380

cctatttttag	tattttttaat	aataaattcc	atgttagaaa	ttttctactg	atgtattttt	70440
taagtcaata	tttcctacac	tcacaatcca	aaattattta	gtatatgagc	acactggtaa	70500
gaatgggagg	cagatcggtg	attgtaataa	tattctatta	tttggtaaat	atcagtaaca	70560
taatatataa	tttaaatttt	aaaataggat	atgaagaaaa	atgctacatg	cttacttttc	70620
ttttcctcta	tttttacttt	acacagggcc	agtgcctcag	tttcaatcca	ggtaaccttt	70680
aaatgaaact	tgcctaaaa	cttaggtcat	acacagaaga	gactccaatc	gacaagaagc	70740
tggaaaagaa	tgatgttgct	cttaaacaac	ctacagaata	tcatctataa	cccggtaact	70800
gattttctata	agataacttt	ttacctatgc	caggacagat	ccaatagaat	attaattatc	70860
cattggggaga	cagggcaaga	ataaaagcca	gtgaacatat	ttaaagcacc	tactatgtaa	70920
tagagatggg	gggtgggtgct	gattacgaaa	cagctcctgt	cctctagtgg	aggaagaagt	70980
cacaatgata	atatgacgtg	atgaaacagt	gttatgaaca	gggaacgtct	gggtagagtg	71040
gagggaaatgc	caacttttgg	tgatgggagg	aggctcagct	aatcataaat	tgtagttttt	71100
aaaggaaaa	ggatttctta	ctctacaagt	ttttcatttt	ctttttta	tagagctgtc	71160
catgagaagt	taatgtctcg	atctttccct	cagcctttca	aatactgctt	ggccctgtag	71220
cagggaaaa	gtcaaaagcc	aatggggaga	tggagagtgt	gaagtagtaa	gggtctcgtg	71280
cagttcaggc	aggtcctaga	atccctgaat	gactgttaatt	gctggaaatt	gccctgta	71340
cctgagcagt	aaagagcttg	ttttagtttt	atgtgggtgt	gagaatcttt	aggaatgtct	71400
agtttccacg	tatctgaagc	tgaatcctga	atcgaggtct	gaaaaaggac	agccactttt	71460
ttagtaaacc	gcctagaaga	ttcttgggca	aaaggaaggg	tgagaatcct	taaaatgagg	71520
ccctaaacca	gttttggttag	tgtgtgtggg	ttcaagtttt	tgtcattttac	tttatagctg	71580
tatttccttt	ttccctaagt	tttaatgtca	ttgtgtaaga	atgaggtatc	gctgctgtat	71640
caagcaaagt	cagtttttag	agaaatagcc	tttcagtggg	agtaagttta	aaaaagatga	71700
cttcctgaag	cggaagcttg	tgagacattt	aagatgactt	tgcgcatgtt	agagttaaaa	71760
acatcccaag	gttgtaaact	gatttcctgc	aaagatctta	acaacaacaa	caacaacaac	71820
aaactaggct	gcctgccacg	ggtgtctgaa	gtatcatctt	ggctcaagct	gggagaatgg	71880
ataaaaggtta	cactgttcat	ttctgcccct	cacacagaaa	agaagataat	tttataggta	71940
aaattcgtgc	atatcttgat	tctagcatac	tgctgattcc	tgtagtttct	ggggtcagta	72000
ctctcaacta	ttgaggtgga	acaaaaataa	gtagacttca	tttcttgagg	aaggggatct	72060
ggagaagtag	ttctgcgcta	gagcagaaaa	tgcttcag	cttgtggcat	gggctggatg	72120
ctgttctgag	gataatgcat	ttccaaggga	gatatttttg	gcaaatagct	tttttttctt	72180
tcttttcaaa	attctctgtt	ttattatcag	ttctcacaaa	agagtcggaa	aggttagagg	72240
tagactgaac	tgaatggcaa	aaacattttg	cgctctcttt	acgtttcact	gctgtaaaat	72300
atttatagta	taaagggcct	gtattgcact	gaatttctct	catttgtagc	tagttgccct	72360
ttcaatgttc	caaaaaaaag	gctgtaaata	acttattttt	tttattcaat	taattttttt	72420
ttttaaattt	tttgagatat	agtttccctc	tggtcaccca	ggctggagtg	aaatgatgca	72480
atctcggctt	actgcaattt	ctgcctcccg	ggttcaagca	attctagtgc	ctcagcctcc	72540
tgagtagctg	ggactgcagg	cacgtgctac	catgcccggc	taatttttgt	gttttttagta	72600
gatatggggg	ttcacagtgt	tgccagcct	agtctcaaac	tcctgacctc	aggtgatgtg	72660
cccaccttga	cctccaaaag	tgctgggatt	acaggcgtga	ggcaccatgc	ctggccaact	72720
tagttattta	aagataatca	attagtatat	tttataagct	agacttagga	aaactgtttt	72780
cagctgggca	tggtgggtca	cacctgtaat	cccagcactt	tgggaggccg	aggcaggtgg	72840
atcacgaggt	caggagtcca	agaccagcct	ggccaagatg	gcgaaactcc	gtctctactt	72900
aaaaatacaa	aacttagcca	ggcgtgatgg	cagcctcctg	taatcccagc	tactcgggag	72960
gctgaggcaa	gagaatcact	tgaacctggg	aggcggaggt	tgcaagtgagc	cgagatgggtg	73020
ccactgcact	ccagcctggg	tgacagagcg	agactccatc	tcaaaaaaaa	aaaaaccccc	73080
cccacacaca	aaacctgttt	tcttgaatca	tggttggttt	gttactgata	ggttcaataa	73140
gtaaatatat	ttattgtctg	ttgtattctt	tattaggcat	tataaacaca	ccgccacttt	73200
ttaattttta	tttcattaat	gtttccaatt	tttttttttt	tttttttttt	tttaagacag	73260
aggctcgctc	tgcatccag	gctggagtgg	agtgggtcag	tcttacccca	ctgcaacctc	73320
cacctcctgg	gctcagcctt	gtaaatagct	gggactacag	gcatgcacca	ccatgcctgg	73380
ctaatttttg	tatttttttt	ggtaaaagaca	gagtttttgc	atgttttctca	gtctgggtcaa	73440
gcactctctc	cgctcggcc	tcccaaagtg	ttgggattac	aggcatgagc	caccatgcct	73500
ggcctatttc	taatattttg	gtccacattg	gtgttagacc	aactgtccac	attaagtttt	73560
cttggaagaa	atgaagtaaa	tatttgcaact	ggcctatgta	tttttttccc	tatttagtat	73620
atttctttga	ctagttcaac	tgatagaatt	ccaagactta	aaaaagtcag	gctctaaggc	73680

tggttcagga	ggctcatgcc	tgtaattcca	gcactgtggg	aggccaaggc	tagtggatca	73740
cttgagccca	ggagttcaag	accagcttga	gcaacatagt	gagaccttgt	ctctctataa	73800
aaatacaaaa	attaactggg	gattgtggcg	catgtctgta	gtcccagcta	tgaggaagag	73860
tgaggtggga	ggattgcttg	agcccaggag	gttgaggctg	cagttagctg	tgagtttgac	73920
actgtgcttc	attctgggtg	acagagcaag	aaccatgttc	aaaaataaaa	ataaaaagtc	73980
agagtccggg	tgctgcggct	catgcctgta	atcccagcac	tttgggaagc	cgaggcgaga	74040
ggatcacttg	aggtcaggag	ttcgagacca	gcctgactaa	cacagtgaag	ccccgtctct	74100
actaaaaata	caaaaattag	ccgggcatgg	tgccgggtggc	ctgtaatccc	agctacatgg	74160
gaggttgagg	caggagaatc	acttgaaccc	gggaggtgga	ggttgtaatg	agccaagatt	74220
gcacaactgc	actgcatcct	ggcgacacaga	gtgatacttc	atctcaaaaa	aaaaaaaaaga	74280
aaaaaaaaagt	taggcttctt	tttctgtttt	ttttttcttt	tttcttctct	tttttttttt	74340
ttttttaaga	gatggaggct	tgctctattg	cccatgctgg	agtgcagtgg	tgcaatctcg	74400
gctcactgcc	accttgccct	cctgggttct	agcaattctc	ctgcctcagc	ctcccagata	74460
gctgggacta	caggcgacac	ccgccacgcc	ccgctaattg	ttcttttgta	tttttagtaga	74520
gacgggggtt	caccatgttg	gccagcctgg	tctcgaactc	ctgagctcag	gcaatccgcc	74580
cgctcgggcc	tcctcaaatg	ctaggattat	aggcgtgaac	caccgtggct	ggccacttac	74640
ttttctttct	attgaatttg	aatgaataat	ttggaagaca	gtatctttac	ttcataccag	74700
gaatgctgcc	agtgaatttt	cttgtttggc	agttcattat	ctacctatat	atttaatttt	74760
gctattgttt	atagagttct	taagatatga	ttaaatgcta	gctgggttaag	aaatcattta	74820
gaaatgaaac	agaattgggt	gttactccaa	gttaataagt	tgcttgtaaa	cataaatcct	74880
acctggtacc	cagttttctt	aggaaccttg	cttccatgtt	tatccttttc	tgcttagtat	74940
tctaagtact	ccttttttac	cttacaattt	agtcttaaaa	cacaacacag	tcaagtcttt	75000
cttttgtaac	ctgtgaggta	ccttctagcc	tttgtgctgt	ttttcttctt	tttttgctgc	75060
ctgccttcct	gactgagagt	ggatttcctc	actaaggctc	tgccctctga	tttttctctc	75120
tcctttcttt	tttggtttta	ctagtgaat	tttgccttta	atgtctcttt	cttttatgtc	75180
tttaccgatc	actcataaat	ttttttttcc	atatgtatcc	agttccaacc	tttcacctaa	75240
tgtgaacccc	caactctcag	ttgctcagcc	agcccttcaa	gactaggagt	tcaaaaccaa	75300
acttgcactc	tccttcccaa	accagctttc	ctcttgacgt	tttctgcagc	aggatccttc	75360
tgctgtttaa	cttttgccct	ctccctgtgt	tcctagcacc	caatagttag	aagatagtct	75420
gtcttcaaaa	ttttaaacta	catttatgtc	caaaccagtg	gcttttctct	ttaaaaaaat	75480
ttaaagataa	tatgtgcaaa	tcattttttt	aaaattcaaa	cagtatttaa	gagtttcagt	75540
gaaacatgca	ttttccttct	accctggtag	ttagttttac	tccccaaggg	caatcacttt	75600
ttactgggtt	ttagaaatat	atccttctct	agataactat	gaatatccaa	aagtgtgtgt	75660
gttggtgata	tcacctttta	tatatcctgt	ctctttacgt	gcatgcattt	taccgtataa	75720
actgttttct	accctgcttt	ttctatttga	cctatttttg	aaatgtcatt	ttatttagaa	75780
cttcctcatt	tattttaaca	gctgcataat	tagcagtaaa	acttatgtaa	gcagtcctct	75840
gtgaagggct	gtgtcttttt	gcgattatat	ccggtgctat	agtgtacatc	cttgtgtgtg	75900
catcttggtg	tgctgtgtct	acgtatttct	gtaggataaa	tctgtaaaag	tggaatcact	75960
aggtcagagg	gtatgggtcca	ttttctttac	ttatttattt	tatttattta	ttcatttatt	76020
tttgagacag	agtcttgctc	tgctgcccag	gctggagtgc	agtggcatga	cttggtctta	76080
ctgcaagctc	cgctcccg	gttcacacca	ttctcctgcc	tcagcctccg	gagtagctgg	76140
gactacaggc	gcccgcacc	cacgcctggc	taattttttt	gtatttttag	tagagacggg	76200
gtttcaccat	gttagccagg	atggtctcga	tctcctgacc	tcgtgatcca	cccatctcag	76260
cctcccaaag	tgctgggatt	acaggtgtga	gccaccgcgc	ccggcccat	tttattatct	76320
ttatttgctt	ggatccttct	tagcttcttc	aatgttaaag	atattgacag	ttttcctctt	76380
actgaaattt	ataaatccat	tgactccctt	gatattattg	ccctggcctg	actgattctt	76440
ctctctcctt	tctcttctca	ccccatgttg	aggctcccaa	ggtcacaccc	agttttgatg	76500
actcaccagc	atagagttgt	acttgtgcct	atgatttatt	gcggtgaaag	gatataagagc	76560
aaaattgcaa	acggaaaggc	acctgggggtg	aattccaggg	gaaatccagt	gcaagttcca	76620
aggtcgcctc	ccagtggagt	cacataggat	gtgcttacat	cctccagcaa	ggagtgtgta	76680
caacacttgt	gaaatgtgga	ctgccaggga	agcctcagt	agcctcagt	cctagggttt	76740
ttactggagg	ctggtcacat	aagcaccctc	acacatatca	aaaaattctg	gtccccaga	76800
aggaagcag	gtgttttaga	taaccatatt	atttgcatga	acagttcagg	tacaggaaat	76860
ccccgttacc	agttaggttg	gtgggtgccc	ttctcaaatc	ccaagttccc	agacaccagc	76920
caggggcctg	cctcgtaaag	aggcctttcc	aggacagcag	tcaggcctgc	caatgttaat	76980

tcttttctgc	atacctccta	atttttagaaa	ccaccgagcc	tttgctgcct	gacctgtcct	77040
gcttttctgat	ttcttttatct	acttttgatat	ctttacaaat	gatcttttacc	ctgacttttta	77100
aatgtgtgct	ctggccattc	acctagcgtg	tgggttctgag	tctccaagtc	ttagcagatt	77160
tgctctcaga	tgctctgcc	acgcttcaca	ccaagtatta	caaactaaac	tcgtcatctt	77220
cctcctgaaa	cctgtctccc	aggccaggcg	cggtggctca	cacttgtaat	cccagtactt	77280
tgggaggccg	aggtgggtgg	atcacctgag	gtcaggaggt	cgagaccagc	ctggccaact	77340
tggtaaaacc	ccatctctac	gaaaaatata	aaaaaattag	ccaggcgtgg	tggcaggcac	77400
ctgtaatccc	agctattcag	gaggctgagg	caggagaatc	gcttgaaccc	gggaggcgga	77460
gattgcagta	agccgagatc	acgccattgc	actccagcct	gggcaacaaa	agtgaaactc	77520
catctcaaga	aaaacaaaaa	acaaaaaaca	aaaaacctgt	tttctcccca	gctttgtcat	77580
gtatttagtg	gccttatgta	gacagtttcc	tttgaaacat	ctcttggaact	tctctgctct	77640
tccaggggcca	ttgccaccga	cctggaatgt	gtccttatcg	tttcacgcc	ggcttatggc	77700
agcagtcagt	caccagatg	acctcctgac	ctctggctta	tttcaccccc	actggactgt	77760
tgttctctaaa	cacttctttc	gtatgtcact	ctaaaatctg	accctggctg	tacctttctt	77820
taactactcc	ctgactgcgt	gctgagagaa	gatgggtcct	gtcttttctt	gcctctctgc	77880
ttttgtaaa	tgccatttct	acctgaagtg	gcaactgaaa	tcataatctt	ttcataaact	77940
gtctttggct	acctcagtta	gaattcctta	tcccattttc	ctgaagcatt	tctttgactc	78000
ttcttttactg	ctccccacc	cttttttttt	tctttgagac	tgaattttgc	ttgttgccca	78060
ggctggagtg	caatggcccc	atctcggtc	attgcaacct	ccgcctcctg	ggttcaagtg	78120
attctcctgc	ctcagcctcc	tgagtagctg	ggattacagt	catgtgccac	catgcccggc	78180
taatttttgta	tttttagtag	agatggggtt	tctccacgtt	ggtcaggctg	gtcttcaact	78240
cccaacctca	agtgatctgc	ccaccttcgc	ctcccaaaat	gctgggatta	cagggtgttag	78300
ccactgcgcc	tgacccccat	tttttttttt	tttaaagatg	ttgaattggg	cagggtttgt	78360
agttacaagc	aacagaagcc	aactctttta	gcagaaaagg	aatttgctaa	atgatagtgc	78420
agagtctctca	gaatctctag	caggatgaag	aaccaggctt	ggagaatagg	tagccacaga	78480
tacacaagca	tactgtagga	cggttcccat	gaagaggcat	ctgttgtcac	cactggacac	78540
agatggtaact	gtgtctctgc	tactctacca	atgccactgc	tgtctctgac	cccagatgta	78600
gctccctctg	accctggatg	cagctccctc	tgaccctgga	tgcagctccc	tctgaccctc	78660
gatatagctg	cccctgaccc	cggatgtagc	tgcttttgac	cccagatgta	gctttctcca	78720
aaccagata	tagcggctgc	ccccttgcca	gagtgaatac	tgcgtcattg	tggcttcttc	78780
ttgtcactgg	ttcttactta	aaagctgagc	tggaaagtct	aatgggcagt	tttgtcacct	78840
gctcttacct	tgttgagtc	tagatgaggt	ctaagtctca	taagctaggg	gattttcaga	78900
tatggaaagg	gataccaatt	ttcagcagcc	aaatagagta	tcacattttc	actccatggt	78960
tcctgggtgt	tggttatggt	tcctgggtgt	ctgactctta	ggcttctttc	aagctgcagt	79020
ctgcctaata	gagagccttg	cattttaatca	tcaaaaaggc	aaagcaatat	gaatcagcaa	79080
gggtgttttg	gcaaataaca	gcaaacctga	ctgtggcgta	agcttgtggg	attgtctcca	79140
gtgtgatcag	atctgtattt	taatttttta	aatgtaaatt	aataatgac	tgtgaatcac	79200
caaagtagct	tggagtagcc	tagaaaacaa	tgtatgtcct	ccgttttcac	agaagccaca	79260
tagtcgtggg	ttaaatgagt	cagcggcagg	gcactgtgtc	tcatagttaa	aaaaaaaaaa	79320
aagtattact	gaagtaatgc	aggatctttt	ctgaagtaga	aggcatgatg	aaccagaaaa	79380
actaaagcag	caagtggcca	ccgttcttag	catagttggt	tctcaaactg	gaacaacctc	79440
taaacagttg	tgaacaaggt	attagaagtg	atggggggccg	gggtgcggtg	cttctcccaa	79500
agctcattac	ctcccaaagc	aaccccagta	ctttggggagg	atcactttga	gcccaggagt	79560
tccagaccag	cccgccaac	atggcaaaac	cccatctctc	taaaactaca	aaaaattagc	79620
tgggcatggg	ggcacatgcc	tgtagtccca	gctacttgga	tggctgaggc	aggagaatcg	79680
cttgaaccgg	gaggcagagg	ttgcagttag	ctgagatcac	gccactgcac	tctagcctgg	79740
gggacagagt	gagtctctgt	ctcaaaaaaa	aaaaaaaaaa	aaaaaagtga	tgggaataga	79800
ttgttttctg	tcaaaaagct	ctttccaaca	ctaaaatgaa	acataataat	aaaaatattt	79860
ttctggctat	aaaaatatcg	atgcttatta	tagacatctg	caaagtatga	aaatatatga	79920
agaaaaaaat	taaaatgcc	tcacccccca	tgaaaactat	tgttatcatt	tttgtctgat	79980
ttcttttagtg	tttctctttt	tctttttttt	atttttaatt	tttttgagta	tgtagtatgt	80040
atatctattt	atgggggtata	tggcatattt	tgatacagga	tacagtgtgt	attagcaagg	80100
tttctttttt	aatgtttata	tttatttagt	tgagatcata	ctatatatgg	ctctatagat	80160
tactttctct	tatttacta	acatttgtgt	tattaaatat	tctgcataaa	gataattttt	80220
agatgaaatt	tgatgtttata	aaaacttctc	attttattaa	gagattaacg	ctatgaaacc	80280

tgctgctata	tattcttggg	accagctgtg	acccaaaaga	tcaatgtagg	gatgtaggtc	80340
cttccccatt	ctctacacac	aaaatcagat	actctgatgt	gcagctgtag	ccccagtcta	80400
cactgtctgt	tgtatttttt	gttttctggg	gtcacgtgcc	tcccaccctg	ctcctagcaa	80460
ttgccatgac	aacaaataga	taattggctt	ccgtaatttc	tcatcttatt	gcctaaggca	80520
acagagagct	tgtgggctca	gcttgcggtt	cagcagctgc	tttgttgcc	ctcctctgta	80580
tgtgtgaggc	ctgccagagc	ccactttcca	gacaggtgag	agttcattca	ttcaccatgc	80640
agttaccgat	cgtctcttga	cctgtgtcct	ggggaggtaa	aggtgacgag	ccagttctgc	80700
cccatgcagc	tcacagtcta	ggcaaagcta	catgcaaaca	aacagaatcc	aaagtgcata	80760
catgaaccct	ctgagagggg	ctgactcagc	agcccaggga	gcttgaagaa	ggctccacag	80820
aggaggctgt	gcctcaaggc	gatttcgggt	taggagccac	caatttataa	ccacttttct	80880
gtggcccgct	ttattttatt	tcttatttct	tgacaatcag	aagtaccttg	ggtaggtttt	80940
accatgcaca	tcgtaatttg	agtgaagctt	gtgtgaggct	taacgggtgt	tgggctgtac	81000
atcctgggtc	gatgctccag	atggaggcag	atggttgtga	tgcaggagag	gcagccacat	81060
agcacaggct	cccagccagt	ggactgggaa	gacagtgtag	tcatctctgg	ggaaggggaa	81120
tgacaagatc	tggcagtgtg	gcagggtcca	gaaaaaaagg	gctgggttct	gggcagttag	81180
gtgtgcagggt	gagacctgaa	tactgggtgg	agccagctgt	cagagtccac	gcctgcagac	81240
tggactgggt	cacggcagggt	ggatgccatg	tcttgaagac	ccacaggcac	ccactcatcc	81300
tcattgatcat	gcagttctct	ggtttctaac	agtgcagtct	gggttgagct	ctgggagttc	81360
agcagagaag	agcaggccct	ggaatcccag	gtgtgggggc	gtggcttaac	gtggagtttc	81420
cttcagaggc	agtgaagtgt	tgtcattgtc	tccgtcagca	ttggcttttg	gcctagtgtg	81480
gcctcgaacc	ttctgttggg	atcagcagtg	gaacagtagg	aaaaggaatg	agtagacatg	81540
gcattgcaac	aagtcttttt	tttttttctt	gttagaatta	tcatattaag	cagaagtttt	81600
gcttcacaaa	ctctcagcca	aatacaaaat	actatgaata	gtatttacct	tgtgtctctt	81660
tccaaagaac	tcattagtgt	ttgcagctat	tgcagatata	ctggccatgc	ggtatgcggt	81720
tccttttttt	tgtttttttt	ttttttttga	gacggagcct	tgtctgtctg	cccaggctgg	81780
agcatagtgg	cgcatctctg	gctcactgca	agctccgcct	cccgggttcg	tgccattctc	81840
ctgcctcagc	ctcccagata	gctgggacta	caggcgcccc	ccaccacacc	cggctaattt	81900
ttgtattttt	agtagagacg	gggtttcacc	gtgttagcca	ggatggtctc	gatctcctga	81960
cctcgtgatc	ctcctgcctc	ggcctcccaa	agtgtgggga	ttacaggcgt	gagccaccgc	82020
gcccgccgc	agttcctttt	tatagctgtt	tgaataggaa	agatgacttg	gaaaatgctg	82080
gattctgaga	tttatgtgca	gccttaaaaa	gtgtagtttt	tctctatcaa	taatgagtgt	82140
gggttgtaat	tgtctagtaa	gtaattttgt	ttatgtaaac	gtacatttgt	taaatttttt	82200
ttcttaggta	atcccgtatg	ttggcaccat	tccytagctg	ctggatcctg	gaactttgat	82260
tgtgatattg	gggcatgttc	ctagtgcgc	agacaggtaa	aatcactgtg	ctaaaggaag	82320
gagcatgaat	aggctgtctt	tttgtgattg	tggaaatgata	acagagtaag	gcgggagaga	82380
ccatttgata	ctytgaggcc	caattagctt	tcattcagcag	ccctggccaa	ggtgctgagg	82440
agattggaat	gaatgactaa	ataaagggtt	ttgggattta	tttcattgct	gtaagtctga	82500
tttcagtata	aaaaaattag	aactatcagc	tggatgtggt	gacttacaca	tacttttcca	82560
gcactttggg	aggccaaggc	gggaggattg	tttgaggcca	ggagtccgag	accagcctgg	82620
gcaacatagt	gagaccccc	ccatctgtta	aaaaaaaaaa	aaaaattaaa	aattaactgg	82680
gcttgggtgt	gtgcgcctgt	agttgtagct	actcaggggg	ctgaggtagg	aggatccctt	82740
gagcccagga	gtttgaggtt	gcagtgcgct	gtgatggagc	cactgcacta	tagcctgggt	82800
gacaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaagaaaga	aaaagaatta	ggtatgtcat	82860
taaagaaagg	aattgtgggt	agatgacagg	gagagtctag	ttttagtctg	acattcccac	82920
agcatcacag	atctagttca	gatggtttta	ctgaataact	gctttggata	caagctgtgg	82980
tatcattagt	gttgggctca	gctctgtgta	cctaacacct	gaagagcagt	ggtttaagat	83040
gtgaaaatta	agtctcaagg	agacagccca	ggccttttca	gttaactcct	tcaagtcgtt	83100
agagaagtag	actccttcca	gcttaccact	ctgctatctt	gagggtagag	tgaggtcccc	83160
tttccatta	tccttggcag	ctagatttcc	agcctcact	tctgtgcttt	gggtagctgg	83220
atgggtgcat	gtggtgtttg	cggggaaaca	gagctggaca	aaaggcaagt	gcttgcagac	83280
ttttaaggca	gtttctagta	gccttccctg	agcacttcac	ttccatctta	tcagcagagc	83340
tttagctgca	caggcaggcc	tagctgcgag	ggaggctggg	aaaggtaggt	ttttattctg	83400
ggcagattca	gaccaggttc	aaactcaggg	gctattttac	tgagggaagac	agaaaagatt	83460
agacagtcag	ctcttttaggc	ctcatagtga	atgaatgagg	agggatttgt	cagtccttgg	83520
tcactgggcc	tggagtgtag	tgctgtctgg	gcctttactg	gtggctttcc	tttctgagca	83580

ctcatgaggc	ccctgtgtct	tccctcatat	agattccagg	tggatctgca	gaatggcagc	83640
agtgtgaaac	ctcgagccga	tgtggccttt	catttcaatc	ctcgtttcaa	aagggccggc	83700
tgcattgttt	gcaatacttt	gataaatgaa	aaatggggac	gggaagagat	cacctatgac	83760
acgcctttca	aaagagaaaa	gtcttttgag	atcgtgatta	tggtgctaaa	ggacaaattc	83820
caggtagggt	ttggagaggg	acaggttgag	tcctcattag	tgagcaggag	tgcacagggg	83880
ggcctttcac	atthgtgagc	ccagccttgt	atthcctaca	cctgagatat	agtttggtct	83940
tgtagtcttt	ctccataaaa	ggaccaggaa	ggcacctaaa	tatgaggggg	tggcaccact	84000
actctccagc	cagttgtttg	catgcagaaa	tatggtccac	tgtgactaga	tctttttatt	84060
agatcctatt	tctcctagca	gggctgagtt	ctgaattgac	acagtattat	gttcatgatg	84120
ggagggtaa	ttataatata	accgtcacca	cctgaagaac	taacaagggc	aatcccagca	84180
tagaaatcag	aagggttttg	ttaaattcaag	tcttgccaca	agacagttct	gtaggatcat	84240
gagattttta	gacccagagg	acatcctaga	aatccttgat	gtcagttcca	tctctggctt	84300
catggagtg	cttataccta	gcgcgcgtgt	gtatggttga	atttgggtccc	agaagctctt	84360
acacctgctg	gccctctggc	ctgtggagct	ttcccacagt	agaggtttgt	accaactgtg	84420
gagaagactc	acatgcctct	ggcacagatc	ctttctgata	ttcgggatac	tgctcctgcc	84480
cgaagctctt	tctgaatctc	ccaaactcca	ttcacctctc	ccttctctgg	ccttttgagc	84540
ccgtgtctgt	atcattcttt	ttcacagttt	ttaacagttg	tgctttggct	ttatgtgttt	84600
atthttgcctc	cacaatggga	tttaaagctc	cttgagtcag	agactatatt	gtatgctgct	84660
cgctttttct	gcctataacc	taacgtggta	cctggcattt	gagagggagg	gagggaggag	84720
gctcgtagcg	tgccgaggac	ctgcagaagc	tactttctcg	tcactttact	gtagtctgtt	84780
gaggtagaga	ttgttctctac	ttcagaataa	gaaaaccgaa	ttcaaataatg	ttgggttaact	84840
tgtccatatt	aattttattta	gcaaatacaa	cagattttga	gtgtctgcca	catgggtggt	84900
ctccagggac	agtgtttgtg	ggagctcgca	ggcagatctt	taacctgggt	tcacaatctc	84960
cagggcacct	gtgcctgggc	ttccaggcga	ccttcgaacc	cagatgtctc	acatgtatgc	85020
agaggcgcac	acaagcacac	gcacatatac	ttatgactgc	ctgtttgtct	ggggagagac	85080
agttcctggt	gcttaatcaa	atcaggaact	caaaagaagt	tcggaagcac	tgctggtggt	85140
ttgggtgctt	tcggttacca	tttggtcacg	tgtgtggaga	cctgtgggaa	caggtataaa	85200
attggacgca	aggaacattt	ttaaatttga	taataagtta	atthattaac	tgthtttttt	85260
tgggtggcggg	ggggctctgt	cttctgtatc	tctctagggt	gctgtaaatg	gaaaacatac	85320
tctgctctat	ggccacagga	tcggcccaga	gaaaatagac	actctgggca	tttatggcaa	85380
agtgaatatt	cactcaattg	gttttagctt	cagctcggtg	agtaccttc	cacagcttgg	85440
ggtcttttat	gaggatgggt	tctgatgaga	tggtagaaaa	aatcttcaaa	taacacttct	85500
attgacataa	aaaggacgta	tctccctgac	tgtagtatta	atthtttggg	agtgaactgt	85560
tcacactagc	agaaggctgt	ttatcagcca	gggcttcatt	gtctgtagga	tctcaaacct	85620
agtgtgggtt	taataaaaaca	cacacagttt	ttagctgggt	agcagctatt	tcctttgcat	85680
gggcataaaa	tggagtattt	ctgtaagaca	ggttcctagg	ctgggagtgt	ctgagtcaaa	85740
gagcacagtc	atgtgttgca	taaggacagt	tcagtcaaag	atgaaccgca	tatacaaccg	85800
tgggtcccata	agattgtcat	atactgtatt	tttaccatac	cttttctatg	tttaggtaag	85860
tttatatgca	caaatactta	ccatcctgct	ctggttgctt	acagtatttg	gtacagtgcc	85920
tgctgtacag	attcactggc	caggagctat	aggccacacc	ctacagccta	ggtgtgtagt	85980
tggcagtacc	atctaagggt	gttaagtaat	attctgtgat	gtttgcacga	tgacaaaagt	86040
catgtaagg	cacatttctc	agaacatacc	cccttcgtta	agcaacacat	gactgtcttt	86100
gcattgaaaa	ttttgataga	tactaactcg	cccttcacaa	gggtaaaaaac	agtttgact	86160
ctcaacagcc	atgctccac	cttcttggtg	acattacatc	ttattctctg	taatgtttgc	86220
caatctgatg	ggggcgga	aggaccccag	tgtcaagtat	atthtttggat	catagtthttc	86280
aagcatattt	ttagtaccat	ttataatttt	tttatatgtc	aaacagggtta	tatatagaaa	86340
atattttcta	ctggatgtta	caaattaatc	tttattatct	tttctcagga	cttacaaagt	86400
accaagcat	ctagtctgga	actgacagag	ataagtagag	aaaatgtaaa	tattaaatct	86460
tttaatgagc	cactggttta	aaaatgttgt	tttagctgcc	atgttaatga	aatggcaaga	86520
aggctgggtt	tttgaaaatt	atgcttttag	aacgcaagta	atcacttgaa	aattgagata	86580
catacttggt	gtgccaggca	cgcagtaagt	ttttgctgat	gattcacctg	tcagtttctg	86640
taactggcac	tcactgttct	tatgtaaaaa	gcactctctc	actcttaact	gctgaatagt	86700
actgtttctg	ggtatttcca	aatattgaac	atcagccagt	gcactggcaa	atgaacttcc	86760
atgtgtatct	tcaaccctg	ggagaataac	tgcaatttaa	aaatgcgctg	ttattaatgg	86820
agaaagtgag	gtcttaccga	ctggcacgtt	cacacctcac	agacagaata	gaatcttagc	86880

attctg	ggggg	caccct	ggaa	aggaca	acta	agacac	gttt	gaagtt	catg	tagtgct	ggg	86940
tgaagg	tgg	ggctc	caggcc	tgtagt	ccca	gcgctt	tggc	tgaggt	gggg	ggattg	cttg	87000
agccta	ggag	tttgag	atca	gcctgg	gcca	catagg	gaga	accccat	ctc	tacaaaa	aat	87060
taaaaa	atta	tctggg	catg	gtggcg	catg	gctgtg	atcc	cagcttt	ggg	tggctga	agt	87120
aggcgg	atga	cttgag	ccca	ggaggt	tgag	gctgcag	tga	gccatga	tgtg	agccact	gca	87180
tcccag	tgtg	gatgac	agag	taagacc	ctg	tctctta	aaaa	aaatttc	ata	tagttct	atg	87240
aaaaat	tatt	aatttat	gggt	ggaggat	aaaa	ggactc	agat	gaacagg	ggat	atcagac	tct	87300
cttctc	aacc	cgtgtag	cccc	ttcaca	aacac	catacc	attc	cgtcata	aaag	caccagc	tgc	87360
ctggagg	tca	caccag	agt	gagcag	gaac	atcccag	gct	ccggcc	caggc	tcagctc	cagc	87420
acaacca	aga	cttcag	atta	taaact	tataa	ttcttccc	ct	tctaac	attg	ttgtgtt	ttg	87480
tttcttt	tcc	aatagg	ttcc	aaagt	ctggc	acgcccc	cagc	ttgtgag	tat	ttttgc	ctg	87540
gttattt	cat	gtgga	atatt	ttataa	agtt	gcataga	aaaa	tgaacag	ttt	aaaccgt	gga	87600
gggcagc	ttc	attcatt	cca	ttcctt	actg	tagaact	ggt	tccctac	agc	ctagta	atag	87660
aggagg	agac	atttcta	aaaa	tcgcacc	cag	aactgt	ctac	accaag	agca	aagattc	gcac	87720
tgtcaat	cac	actttg	actt	gcaccaa	aat	accacct	atg	aaactat	gtgt	caaagg	tttg	87780
aagagccc	ca	aattttt	ctta	actctg	tata	aaaatta	aggt	tgtaatg	agc	tgttac	gagt	87840
aacctgt	atc	cacaat	tagaa	gccccaa	agca	gccccct	ctg	catttgt	gtg	ccgtccc	tgg	87900
atggatt	cga	gagtca	aacca	ggcctg	cctc	tgagcc	attc	ctgtgt	attt	cctcag	cacc	87960
tcctgt	cttg	gctgct	tccc	cttcagg	cag	aacacag	tac	tgccct	cagac	cccagg	caca	88020
gggggc	cttc	ctggcg	tgtt	tcactc	atac	agaggg	catc	gggtccc	cacc	ctgtc	actca	88080
tttcat	cgtc	taaaat	gtaa	tcatgag	tgt	ttgcttc	gag	ccaggga	cag	tgtgt	gca	88140
ggggacc	cag	ctggga	ccaa	ggcag	actgt	ctctccc	ctc	ctggg	attta	caggg	tcatg	88200
gctctga	aac	attctg	tagt	gttctt	tggga	cacgag	tttt	ccctgg	agat	cgcttt	ctgc	88260
aggcct	cttg	gtcctg	actg	tggctt	cttt	tcagag	cctg	ccattc	gctg	caaggt	tgaa	88320
caccccc	atg	ggccct	ggac	gaactg	tcgt	cgttaa	agga	gaagtga	aatg	caaatg	ccaa	88380
aaggtc	cagta	tccttc	cggt	ccagtc	acag	tgca	gatact	tccgtg	cctg	ttaccg	cctt	88440
ctaccg	tga	acggtc	cctgt	gagctg	gaag	tagggc	tagt	gtcaga	aatct	tcatttc	caa	88500
agtga	atga	ttcaag	cagg	aggtg	ggttag	attgtg	aaaca	gccagt	gggc	agcagag	ccg	88560
actaagg	ccg	tgttct	gacc	tcggc	tttt	ctggcc	agac	aagagag	tag	cattttt	gtc	88620
cacgagg	cct	atcctt	gcct	tgtaga	aactc	cagagc	agcc	ccgta	aatc	aggca	aatc	88680
ttttct	tttt	ttttt	tgaga	tggagc	ctca	ctgtgt	cacc	caggct	ggag	tgca	gttca	88740
caatccc	cagc	acaccac	aaac	ctccg	cttc	tgggtg	ttca	agccatt	ctc	ctacct	cagc	88800
ctctgg	agta	gctggg	atta	caaggc	cacc	accacg	ccca	gctact	tttt	gaatttt	tgt	88860
attttt	tagta	gagacag	ggg	ttccat	gt	tggccag	gct	ggtctg	gaac	tcctg	acctc	88920
aagtga	tccg	cccact	tcgc	cctccc	cagt	ctggg	attac	aggtgt	gagt	cgccac	gccc	88980
agcccag	gca	acatttt	ttta	gggccc	ctct	tgtcat	gtga	tttaga	aaaat	ttctg	cttta	89040
acaact	tttt	ccacag	acgt	ccagcc	ttct	gaaagc	ttga	aattag	agct	atttc	ctaga	89100
aagtgg	cata	ctttca	agaa	ggaagga	aaca	cgggtag	atg	atgaaa	agag	aatac	ctgct	89160
tgagagg	atc	ccaggc	tcct	gcagc	ctgaa	gtagtc	attc	agtttag	cgt	taaac	cttcc	89220
atttct	gtcc	aaccac	atct	cagc	ctcaat	gctgat	ttta	aagggg	tttt	tttttc	cgta	89280
tttttat	tttt	gcaagt	aacg	aattag	tggga	atgctg	actg	ggttt	aaaaat	ttcaac	ttca	89340
cctgc	attcc	catgtc	catg	tggata	actg	tgtttc	catag	agttaga	aatc	atagtt	caag	89400
tctggt	cact	aacatt	gctg	aaattg	ccac	tactct	gtcc	tacttg	gtta	attaag	gttt	89460
ttttttt	cttt	tctttt	ctcaa	aagctt	taaat	gttgac	ctac	tagcag	gaaa	atcaa	aggat	89520
attgct	ctac	acttga	accc	acgctg	aat	attaa	agcat	ttgta	agaaa	ttctttt	cttt	89580
caggagt	cct	ggggaga	agaa	agagaga	aat	attacct	ctt	tcccatt	ttag	tcctggg	gatg	89640
tacttt	gagg	tgaggt	tcca	gttttt	gaaa	atggg	acagc	aataaga	aatc	ctggg	agcag	89700
gggtggg	gata	agtgg	tccat	ttaaat	caag	tccta	aactca	gtatgt	ggag	gttgt	gtatg	89760
ttttttg	tttt	acttg	gagat	tgtaat	ttgc	cccttc	cttt	ttataa	acgtg	ggcaat	cagt	89820
ataaat	ggca	aagccag	tag	agtgtc	aaaat	tatgc	acatt	ggaatt	gaca	tttgt	catca	89880
tattaaa	aat	cctgtg	tagc	cccata	attga	tagga	aat	accagga	aagc	ttgtc	ctcag	89940
actggag	tca	cacttta	aat	catata	agca	catgt	aggga	ctggag	accc	taaaac	tgtct	90000
tgcttg	cact	ggccat	catc	tcccat	cagg	gtaggt	ggca	gtcctt	ttctc	ctaagg	aggtt	90060
agtctt	gttt	atatgt	attc	aaggaaa	aat	acatc	agtc	cttgg	aacta	aaagg	catgc	90120
agtcct	gagt	ccccag	atag	gtgaat	attg	taacac	atac	ctttccc	gaa	atatgtt	ttct	90180

gggatgctga	gcagagaata	gtctccttgt	gatgtggatg	ccgggtgttt	ggccagcctc	90240
aatcaccagc	tcaggtgcc	ctgcctcaca	cagtcactta	gggtcattgg	tttaggttat	90300
cattctacag	cattttaaac	tgacacattg	tctggaccat	gtgggttctt	gaggactcat	90360
caaaacccgt	tactaaaagc	atgaatatca	ggcgaaatag	atagcaatgt	gacattcgt	90420
tttatcccta	agttccagtc	taatgcagtg	ccctggatg	tggagtgtag	acagatgtgg	90480
gctaatacatg	gaagggtccc	tggaaagtgt	ggatattggg	ttcgaattca	gaaagctggg	90540
aaggatgtgg	aaggctgaag	gttggctttt	ctagatttag	ggcatgattt	gaacaagtcc	90600
ttagaggtgg	gaagggcagc	acaggggtgt	tggcttggca	agagtcaagg	tgcaaagggg	90660
gacttggggg	tcactggagg	gaaacagaga	tgagtgtctt	agaaggaagt	tgagccttgt	90720
gggtgggtgac	aggaaaccaa	tgatgtaact	tgtttttgac	ctatctgggc	cccaagtttg	90780
gatctgctat	attaatataa	aaaaggataa	taatgataca	ttcaaataat	gctgaaaaat	90840
actaagatga	aaatacctcc	aacttcgtaa	ttcaaaccat	accattagga	ttaggtgaac	90900
cacattccag	gcgttttttt	gcagagacag	tgaaagggat	ggctggctga	aggaatgaat	90960
agatgaatgt	tatatgcttt	tgaacaatcg	tcttttccat	ttaattttct	aattcaggag	91020
cagtaattat	ccttgtgttg	atcactgctg	acgattttct	atactgatag	gtcctttccg	91080
ggggcttcca	tctcttgcc	tttaaatatg	cttgcatgga	gattatctca	ggcttttcca	91140
ttatgccatt	actttctatt	taaatcttct	tgctctttca	aatacacttt	agttgtatct	91200
acagtgtttt	aaaaacaatc	tcattcagtg	ttgtaatttc	atctgtgggc	tcttcctctg	91260
gatgaaatcc	gtgttcctcc	cagctgttcg	gcagcatcag	atgggtgtga	gggattctgt	91320
tgttctgttt	tcttctaggg	aaaggatgtg	ccttcttttc	atgtgcagta	gtctgctcac	91380
ccggaagcat	gtcatttctt	tgccacttgc	ttgtaattca	ctggctttgc	acttgcctctg	91440
atacagtaca	ggtaactaat	tgactccctc	tgctgccaac	ttgggtttcc	ttctgagcta	91500
tagcatcagg	ctgtgtgttt	tgtgttttct	tgagattttg	ttaaatatat	ctggggctcc	91560
ttctacctgg	ttggaactgg	gattcccacc	attcttgtgg	ggatagaatc	tcagggttaca	91620
cctatttccc	caatcctctg	tagccacaga	agcttcatct	tggccagctc	tgttatcaga	91680
gtgcaggact	tgggctgaaa	tttccctccc	ttcctgattt	tccttgacag	tcctttccac	91740
tgctcctatc	aatcaaaaaga	atgaaaaccc	tcaacttgct	gctttgcaga	ttcaggtttt	91800
gtgcttcttt	ctggcctctc	gggggtggggc	cgggttagca	gcaaggctga	gctgcccctc	91860
tttcttctga	agccttcatg	ggggcgagga	gcacaggag	agctcagtgc	agggcctccc	91920
agtggccttc	tcagagtggg	tggaaaccca	gcctggcact	ggcagcgtgg	caccagaagt	91980
atgaagtgt	ggtgtaaaagg	tgatgtaaaa	ggctagttag	ttttttgggt	tttcattgtt	92040
tgagttttgg	gcatagatga	ctgtgaaggg	cgaacactgc	cgatggatct	gaatgaattt	92100
gtagtatgtg	caccacttcc	aacttacggg	ataccagct	ttgacggctt	tggacaaaca	92160
ctgtagggcc	aagatgtgct	gagcttatca	ggatcaggat	caccaagcag	ctgtaaaaac	92220
cctagcaagt	gccttaagct	gctgaaattt	catattaatt	gtctgggttg	ttcatggtcc	92280
tagagtgtga	ggcagaaaag	tcaggatcca	agtcccttgg	ttccaggcta	cagctggaaa	92340
cagcatctcg	gtgaaactaa	gcaaccatat	taggagtttt	cctgctttag	gagagtcccc	92400
agcatcggcg	aggagggggc	agcactctgg	ctttccagga	gcaaggggca	ggatgcggcc	92460
gagggagagg	ggctgtgttg	aggaaaggag	ggccgcaggc	cctggggatg	gtgtgaggct	92520
ccaaacatgt	ccgagtcact	tccctgggtg	ggatgaggca	gacagtcca	ccaccaggga	92580
cactttagtt	agattagggg	cttggaagtc	acagaaggaa	gtcagcagca	gcaggctgga	92640
acttttctat	gtataatcaa	atggtttact	ctgacaccgt	tagcatgtaa	caaacacaaa	92700
attttaaaact	aaggggaacc	actaatggca	tgtttccctt	cctttcagat	gataattttac	92760
tgtgatgtta	gagaattcaa	ggttgcagta	aatggcgtag	acagcctgga	gtacaaacac	92820
agatttaaaag	agctcagcag	tattgacacg	ctggaaatta	atggagacat	ccacttactg	92880
gaagtaagga	gctggttagcc	tacctacaca	gctgctacaa	aaaccaaata	acagaatggc	92940
ttctgtgata	ctggccttgc	tgaacgcac	ctcactgtca	ttctattgtt	tattattgtta	93000
aaatgagctt	gtgcaccatt	agatcctgct	gggtgttctc	agtccttgcc	atgaagtatg	93060
gtgggtgtcta	gcactgaatg	gggaaactgg	gggcagcaac	acttatagcc	agttaaagcc	93120
actctgccct	ctctcctact	ttggctgact	cttaagaagt	gccattcaac	aagtatttat	93180
ggagtaccta	ctataataca	gtagctaaca	tttaattgagc	acagattttt	tttggtaaaa	93240
ctgtgaggag	ctaggatata	tacttggtga	aacaaaccag	tatgttccct	gttctcttga	93300
gcttcgactc	ttctgtgctc	tattgtgtcg	cactgctttt	tctacaggca	ttacatcaac	93360
tcctaagggg	tcctctggga	ttagttaagc	agctattaaa	tcacccgaag	acactaattt	93420
acagaagaca	caactccttc	cccagtgatc	actgtcataa	ccagtgtctt	accgtatccc	93480

atcactgagg	actgatgttg	actgacatca	ttttatcgta	ataaacatgt	ggctctatta	93540
gctgcaagct	ttaccaagta	attggcatga	catctgagca	cagaaattaa	ggcaaaaaaac	93600
caaagcaaaa	caaatacatg	gtgctgaaat	taacttgatg	ccaagcccaa	ggcagctgat	93660
ttctgtgtat	ttgaacttag	ggcaaatcag	agtctacaca	gacgcctaca	gaaagtttca	93720
ggaagaggca	agatgcattc	aatttgaaag	atatttatgg	gcaacaaagt	aagggtcagga	93780
ttagacttca	ggcattcata	aggcaggcac	tatcagaaag	tgtacgcaa	ctaagggacc	93840
cacaaagcag	gcagaggtaa	tgcagaaatc	tgttttgttc	ccatgaaatc	accaatcaag	93900
gcctccgttc	ttctaaagat	tagtccatca	tcattagcaa	ctgagatcaa	agcactcttc	93960
cactttacgt	gattaaaatc	aaacctgtat	cagcaagtta	aatggttcca	tttctgtgat	94020
ttttctatta	tttgagggga	gttggcagaa	gttccatgta	tatgggatct	ttacaggtca	94080
gatcttgтта	caggaaattt	caaaggtttg	ggagtgggga	gggaaaaaag	ctcagtcagt	94140
gaggatcatt	ttatcacatt	agactggggc	agaactctgc	caggatttag	gaatattttc	94200
agaacagatt	ttagatatta	tttctatcca	tatattgaaa	agaataccat	tgtcaatctt	94260
atttttttaa	aagtactcag	tgtagaaatt	gctagccctt	aattcttttc	cagcttttca	94320
tattaatgta	tgcagagtct	caccaagctc	aaagacactg	ggtgggggtg	gaggggtcca	94380
cagggaaaagc	tgtagaagcc	aagaagactc	gagaatcccc	cagagttatt	tttctccata	94440
aagaccatca	gagtgcctta	ctgagctggt	ggagactgtg	aggcatttag	gaaaaaaata	94500
gcccactcac	atcattcctt	gtaagtctta	agttcatttt	cattttacgt	ggaggaaaaa	94560
aattttaaaaa	gctattagta	tttattaatg	aattttactg	agacatttct	tagaaatatg	94620
cactttctata	ctagcaagct	ctgtctctaa	aatgcaagtt	ggccttttgc	ttgccacatt	94680
tctgcattaa	acttctatat	tagcttcaaa	ggctttttaa	ctcaatgcga	acattctacg	94740
ggatgttctt	agatgccttt	aaaaaggggg	cagatctaata	tttatttgaa	ccctcacttt	94800
ccaacttcac	catgaccag	tactagagat	tagggcactt	caaagcattg	aaaaaaatct	94860
actgatactt	actttcttag	acaagtagtt	cttagttaac	caccaatgga	actgggttca	94920
ttctgaatcc	tggaggagct	tcctcgtgcc	accagtggtt	tctgggccct	ctgtgtgagc	94980
agccagggtat	gagctgtttt	agaagcagcg	tggtgccttc	atctctcccg	tttcccaaaa	95040
gaacaaagga	taaaggtgac	agtcacactc	ctgggttaaa	aaaagcattc	cagaaccact	95100
tctctttatg	ggcacaacaa	agaaacgaag	gctgaagttc	gcctacccaa	aatgaaaagt	95160
aggctttaca	gtcaaaagta	cttctgttga	ttgctaataa	acttcatttt	cttgaaatag	95220
agcaactttg	agtgaaatct	gcaacatgga	taccatgtat	ataagatact	gctgtacaga	95280
agagttaagg	cttacagtgc	aatgaggcg	tcagctttgg	gtgctaaaat	taacaagtct	95340
aatattatta	ccatcaatca	ggaagagaat	aataaatggt	taaacaaaca	cagcagctcg	95400
tataaaaaata	ccgtgtatca	tttactcttt	ctgcagctct	atacgatagg	caggagaggc	95460
ttatgtggca	gcacaagcca	ggtgggggatt	ttgtaacgaa	gtgataaaac	atttgttaagt	95520
aatccaagta	ggtgtattaa	ggcaccacaaa	gtaacatggc	acccaacacc	caaaaaataaa	95580
aatatgaaat	atgagtgtga	actctgagta	gagtatgaaa	caccacagaa	agtcttagaa	95640
atagctctgg	agtggctctc	ccaggacagt	ttccagttgc	tgaatagtct	tttggcactg	95700
atgttctact	tcttcacatt	catctaaaaa	aaaaaaaaaa	aaaaatcaaa	attaaaaatct	95760
gagtcagttc	gcctgcctcg	gttctcatta	gtttaattct	taatgccttg	cactttccag	95820
caatcattca	atcaaaagag	tgaaatgaag	cacattaaca	aagcaggagg	cgccacggac	95880
cgctccctc	cacaccgctc	cttcgcctt	cattccttgc	ccacaggctt	gcactggaag	95940
ctgaataaga	atcccaaaaa	ctcaaaactc	ctagggatgc	caccccttta	gtagctcaca	96000
cctccccctt	ccaagagcta	agaaacaaag	gagaatgtac	ttttgtagct	tagataagca	96060
atgaatcagt	aaaggactga	tctacttgct	ccaccacccc	tcccttaata	ataacattta	96120
ctgttatattc	ctgggcctaa	gacttatggt	ccagaactgt	cacagctccc	catgtcacac	96180
ccactagctt	gtgatctttg	tcaaataact	gaaatctttt	aagcctctag	tttcttcctt	96240
tgtaaaacag	agataaaatg	ttgtggtttt	taagtgaat	aatccaagta	aagcacctaa	96300
catggagtag	tgaatgaaca	tcggttgcta	ctaaaagtgg	acatcctacc	gcacccctaa	96360
tgccactagg	catttccata	caatctgggg	acaaaaactt	caatcatata	aatgtatgag	96420
gttaattaaa	aacactactg	taatctgctt	gtatgatcac	aaaccaccac	aaaagaaaag	96480
atcgtgaaga	ttacactgta	aacggactct	caaatgatca	ggaggtgggtc	acttcgcaac	96540
ttgctccctc	cacccaactc	aaaacaggag	ctcagacctg	cctgtatttg	agactggagc	96600
tgccgtgatg	aggactggat	caactgctag	tcacgttata	tccaaatctg	cattatcatt	96660
gggcacattt	tcacagaatt	ttactgaatt	attccttaat	tgtttaaatg	ttgggaatag	96720
tttggaatt	accttccatc	aactctgcta	agaaaggaat	ggattctggt	agcaagacaa	96780

tataattctc	ctttagtttt	tcagccagtg	ctaacacagt	aatcaaagca	gcaaatcgaa	96840
cctgaaaggg	ataaaaagagc	aaagaaataa	aaagtagtgt	tactgtattt	attatcttaa	96900
gagctgtact	gacttgagac	aagctctaac	tttttaaaca	ttagttcaca	cgcgtttatt	96960
cacttcatta	tgttcattaa	gctttcatct	tagaatacca	gtttcaccat	ttgggagctg	97020
tttgtaatat	gtgcaacctt	ataaatagtg	ttttccaaac	tgtgtcccag	gactgcaaat	97080
ctttaatgtg	aaatgtcttt	ttataatctc	ttcctttaaa	aaaaaccaat	aaaataaaat	97140
gccacatgca	aactcaagtg	tgtcaccaga	ttttacttca	ttggcgctcg	ccagcccgcc	97200
aggctggcaa	taaagtgcct	ccagccacct	ctggcaggtc	tcctcaccca	cagcccctga	97260
ctggtcacca	ctatagttgt	atgaggggcc	aggacaatcg	cttgggataa	actcccctct	97320
cagcactgaa	taaaaaacat	tctgtgtcac	aatatcctag	ttttggggct	ttaaaaacgt	97380
ctaggtgttc	ctcacatgcc	ttgtctataa	taaggaaagc	aagcagtagt	tgggtattgt	97440
tagcttttga	aacaaaagcc	ctactggtct	tctaattttg	gatattttta	ttaaagaata	97500
tctggacagt	acaaagtga	ttattaaaaa	accatttgta	actacctaga	ttcaatcagg	97560
atttccttga	tttgtgcaaa	gtaaaatatt	acaataaatt	tgatactgct	acttgtataa	97620
aaacctaagg	tttaaaatgt	gggggttcat	cataatagtc	tcattgttag	catatcctaa	97680
taaagaattt	gaactaataa	atcctattaa	taaaattctg	ctttgggtctg	ttatagccag	97740
taaagttcta	atacaatcat	tagtttgaga	aatggtgact	catttgctaaa	acagtttgaa	97800
atttgtaaca	cttgggtgtc	aaattttgac	ttccactcaa	cctacccatg	ttttatttcc	97860
actgccacca	cttactcaac	aagatcataa	gcctagtatc	tataaacaac	agaatgtatt	97920
gctctaactc	aaaagactat	agtgtggata	aattcaatgc	atttctctct	ggagcacaat	97980
gacatttcaa	tagcacttaa	aaaagaagga	attacttcaa	atctttgtta	tttaaaagta	98040
tttagaaagt	attttagtac	ttctgcccac	cgcaaccattg	gggtggggat	agggcattgc	98100
tattctttac	aaatagccta	taagtaaaaa	acaaaatttt	cttaggcaca	aatttctgcc	98160
taatacaaaa	gaccagacct	ctagtactgg	atgacaaata	gcaatgttct	tccttgccag	98220
tttactaggg	ggcctacatc	tgtgaccacc	tgcaggctgt	ttaggctatg	cagtgaanaa	98280
atgcagtttc	agtacttgtc	acgcagttcc	taaccttagg	cgaggagtct	ctcgtcttta	98340
gcagaatctg	gtagttcagt	ggtttccaaa	gagagtcatc	cgccatggcc	actgaaaact	98400
gtgcgatgca	tggatcagg	tgctttgtca	ccggttccctg	gaatttctct	tctcccccaa	98460
gctgttttc	cagctaggaa	gagtaagaca	aagactttga	acaacaagtc	tcatttcttt	98520
cttctgtttg	aaaaaatgtc	caacatacaa	atattttact	atctttcatg	atattagcag	98580
gttcaaaaac	caggcattat	tctaatactc	tctagggcaa	atgtattgcc	ttctagaact	98640
caaatggaat	ctcataccct	ttatcatcgc	ccctttctct	ccagcagaac	atctcagagg	98700
agctctttgc	tccagaggac	agccatgctc	tgacacgttc	tcagtgaggc	ccagttaaaa	98760
caaatgaata	cattaaccat	gacagcttat	atcatgtctg	tcttttgagc	agtttaaaaa	98820
ataaaaaata	aaaaataact	cagggccagg	catggtggct	cacgcctgta	atcccagcag	98880
tttgggaggc	caaggtgggt	ggatcacttg	aggtcaggag	ttcgagacca	gcctggccaa	98940
catggcaaaa	cctcatccct	actaaaaata	caaaaattag	ccaggtgtgg	aggcgggcgc	99000
ctgtgatccc	agctattcgg	gaggctgagg	cacaagaatt	gcttgaaccc	gggaggtgga	99060
ggttgcagcg	agccgagatt	gcaccactgc	actccagcct	gggtgacaga	gcaagaccct	99120
gtctcaaaac	aacaaaacaa	aactcaaatt	ccacaatgaa	gttatatctt	tgaaaaaaca	99180
attttcaaat	aaaacatttc	attaaaaaga	ccagaaaaaa	caaccttaca	aagaaaaatc	99240
ctagcaagct	gtcatttgag	cagatctaaa	acctgccaa	ctcgaacagt	gatggcttcc	99300
tcagcaacga	aagatgattc	tgtttggtta	cctgatccac	cagaggcatc	atcaaggctc	99360
ctgctctctc	tttacttata	aaatgctggg	tatcaaaaag	gaagattttg	tataaacagt	99420
tcaaaataaa	ctgcaacagc	aagcagcact	tttcagggtc	attttcagag	tcaaaaaatg	99480
cttcatctgt	agacgtggga	agagtaaaaa	tgaaaaaaca	ctgaacttaa	ccatttaatc	99540
tccaatgttt	acattgaaat	cactattaaa	ataactaaat	cagaagagtc	taaaatgatc	99600
tagaaatcat	aatcaggacg	aaggcagaac	acaatggatg	gtctctcgaa	gaatgattcc	99660
ttctttttaga	gttaagattc	taacactcac	tctggcaagt	taaattccct	caactgtcaa	99720
gtgggtcacg	tattagcatt	agagaataaa	ctaattctaa	tttttgcggt	ttaaagttac	99780
ttccagtaac	tgacagtaac	ggccattttac	tttattcttt	ctcccaagtg	aggtgactta	99840
taacattcgc	tcatcatgct	aaaacaacac	ttcatgtctc	gacaacaatg	aagtaaaaaa	99900
ttcaccctcc	ttagcttagg	acttaagaac	ctctaaaatc	ttgcttccaa	gcactagctt	99960
gtgtcttact	ggtaccttgt	ataaggcaca	caggacaagg	gtgacagctg	aactgaagcg	100020
accaccacc	tgttttggag	atgttcacct	ggtccaaggt	gtcagcaaaa	ggcttcacta	100080

agtggccggc aaacagagta aaaagccctt tcagcttttc agcaatgcaa tctgccaaagt 100140
 tgtaaaatgt caacaacctg tcctttgggg catcttctgt tttagcccaa tcaaacagct 100200
 gaaaggataa gacagtatta gtttcttcga catcttgtca cttaaactctg agcacaaaag 100260
 agaggaagag gaagaaagcg tcaccttgaa gaacaggggc ctgaatgtga cctcggaaaag 100320
 tttgacaacc atggctacta gacagtcaat gatacaattt tccgtttttc caacttcctc 100380
 cagatcgttc tgaaaacaga agagccatt tattagagtg ctgataacctg actgtaaatt 100440
 attttggtcaa gtaccactgt tacacggcta gattgttctc ggactcttca ataggtggat 100500
 aacagcttta ggatttgag gagtgaacct gagcttacct cagagtgtctg ggctcggag 100560
 tccagggcct ccaggaaaaa ggcggttagc tgagactgat gggaggtgag ctcttccttc 100620
 ttcacgccc caatatgtc ttgcaagatg ctcataaacg gacctatgtg attctacca 100680
 taacacagga aaaagatgtg ccattttcaa atgattccta gagttcagcg gtgtgtattt 100740
 ttaaaaaacta aatcttcttc tttaaagtcaa agtttacaca ttgcagtacc acctctccct 100800
 tctccaaagt cttaataccc aataagatct aaccttcag tcttctcaa tctgcttgta 100860
 agtttttttg atggcgggca acaggactcg ggggtgaagt gtggtagcca gtgtcttttt 100920
 aagagatgtg agacggatat tagcctgtga cgcagaacct atttactag tgattttctc 100980
 cagatgaatc acctacagga atataaaaaa agtgatcagg gccactgcag atcttcgctg 101040
 acaaacacac acttacagag aggttctatg atgaggtact agtgtttga aaatgcttag 101100
 cactttttta ctacacacag agttcctttt aaagtcagcc ctaaacgtca gtggataaaa 101160
 ctgggcagac acctcttgcc caacttgca tcagggacga aggcgatgg tagacgcaga 101220
 cgcacacaca gcacccagac agatgatttt cttagaggac aggaatgcaa gggaccacgg 101280
 caagagtcaa gttgctaaaa aactgagaaa gtcctcaga gcacaggccc ctttctctga 101340
 gaaggctact tttaaaccct ggctgtggtg taagtgaagc ggtttaatca tttgccccat 101400
 ggtaatgaag gctcctaacc ttgtaaatgg caaatgatca acacaatgga acagccagg 101460
 ctcaacactc ttgagcatct tcaatcataa ataccactgg ccctagcgt gttgacagga 101520
 aaccgctgac gtgcaataca aaaattctgc tttgcaagat gccttaggat taaacctctc 101580
 acagtagaaa cagggcccat caatttccac aagtaataaa aggcggctct accagccaa 101640
 ctccaaagat ctacagaag aaaaaaagc cagaatacat tccgcacaat taaagaagag 101700
 aagcatctcg ctaaaaagtg acccccatat caatttcaag attaagtggc aaggatgatg 101760
 gaagagaaaa agtacacatt taataaaagc aagcacatct cttcagaaat aagactcctt 101820
 tctgtcaaac ggaaactaac ccttaaagaa aaaacaaaat cactacattt gtgatctttt 101880
 accttcccca gccaccctgc gtagcatgtc gtggtatcg tggctcacct gggagagaat 101940
 gccttcagga taggggctga tgaagtgcgg gagagtctcc acaaccttct gcagagcagc 102000
 caaggcactg agcaggtaga cctcgctgga gaccagctcg ctggtgttct tcattgttgt 102060
 cagcaacgat ggcatcaggc tagaaacaaa gtaagagctt tagaagaact tgaagcagaa 102120
 acagaggcta gggaatggag tagagggcat tatgaaaaaa accagcaaac tgtgcctatt 102180
 acatcgctat ctgcctcata gcctaaaaag cagtgtctat acattttatg tggctaagca 102240
 caagaaatct cccagtgtca acagtatgga cacaacagta atttaaaaaa taacaatgtc 102300
 tttcattaac tgaacactta ctatgtgtca ggcactatgc aaaactcctt gcaagcactg 102360
 ccctacagaa atcctatgag gtagatactg tctctgtttt atagacagca aagctctaac 102420
 aggttaagga acatactggc tgtacagtaa ggaactacca cagccaggag cttctaactt 102480
 ccaaatttgg cagcagaagg cagctttggc cttgcctaac tgggtgggccc cctctgccaa 102540
 gaaccttcac ccactgcttt ttgactatac tagacaaaag gaaggaagaa tggaggacga 102600
 ttaacactgc aaagcagtgc atctgaagat aaacgggaag gctgcatctt tctgtttgaa 102660
 gattaattat ttttattatt atttctttaa gagacagggt ctactctgt tgcccaggct 102720
 acagtgcagt ggtgcagtca tagctcactg cagcctcaa ctctgggct caaatgatct 102780
 ccctgccttg gcctcccaa gtgctgggat cacagccgtg agccaccaca ccctgcaaga 102840
 tcaattcttt aacaaattcc aattttatgc aacgtctact cagaggaaaa aaaaaaaaag 102900
 tcaccaaagt gttatttttc aatgtgtgcc aggcggtaac agtctctgtt ccaagtctcc 102960
 ggccgcatac ctgggaagct gggggatggc cagcgcctcc aggggtggag tcacctctgc 103020
 tatgcacagc agcgcgcttc ccaagacatt cttctctctg tttctctctg gagcaatcag 103080
 tttcacagca gtgtcagca ctgggacaaa agtactgtga ttttctgcac caaaattctt 103140
 gcataaaaagc ttaaggtat acaacgctgt ctgtctgttg attgctgtt cttcttcccc 103200
 ttcttttttc ttacgtctga caatggccaa aaggctctga accagtttta ggaaacgggt 103260
 aacctgaagg ggacagccag aatcccaaaa tcattaaagc tgcaaaaaat gtttgtccat 103320
 tttccatttg tcacagcttg agattgtcta aatggaaatc agactcgggg gtctgtgctc 103380

acacagtc	cat	gctaagcg	gat	gtgcatgt	ttc	acttata	caaagc	cccc	103440
actgatct	gg	agtaaaag	ggg	acttaga	act	atgctaag	gc	taagctct	103500
agtaagca	ag	aattccac	ta	ggctgaa	att	ccattcta	ag	agctctta	103560
attcccgt	ta	gaattaac	gt	cacatttta	aa	aacatgtc	at	ggtattata	103620
atatactt	ca	atttgaa	att	gtaccact	ag	agaaattg	aa	gggagttaa	103680
tgataaag	ca	aagtacag	ta	aatgggtg	tg	tcctgggt	ct	tcactcact	103740
ccaggata	ta	ttttgctg	ca	gcttgttat	t	caaaaggt	cc	agcgctttg	103800
tggcaggg	ga	ttgcccac	ca	gccctctg	at	cacaggaat	g	aatgtctct	103860
ggcattgac	c	taaagagaa	a	ttttatatt	t	aacatgaaa	a	gaaaaacaa	103920
aatcaact	tc	aattaagac	a	gactgctg	tc	cactgcac	ac	ctccaggca	103980
cacacacat	t	ttcttatt	ta	attcttaaa	a	taaccttt	ca	ggtaggcatt	104040
cattatcg	aa	caaaacaaa	a	gcctgatg	tc	aggaggaag	t	gccaaagg	104100
tgactgag	ct	agatttga	at	cagcaatcc	t	aacttcgag	g	ccagtgaat	104160
tacttcata	c	ttttatttt	a	ttccacttg	a	ataaagtag	a	acagtatata	104220
taattatt	aa	aataacag	ag	gtacatgt	tc	tcataaact	gg	taaggaaac	104280
gacaaatc	ta	tttctagt	ca	tcaagagat	t	gttttcta	ag	aaaaatctg	104340
attcataaa	a	ggaattgct	a	agtttatt	ct	taaaaact	ttt	acataattt	104400
aaaaaacag	c	aacaaaac	ag	taattccag	g	gagaaatg	aa	cacctacct	104460
tcgtaagct	t	tactaagg	ag	cgcgcgcc	ag	aacttcac	gg	tgagtttgc	104520
tccatggac	t	gtgcaact	gc	actgatata	g	ccgagaac	cg	tctccagca	104580
agaggctcg	c	tcagcaaac	g	gcagctga	ag	aaactcag	ag	aacttggtc	104640
atgctaaat	g	tttcaagta	g	aaagacgag	t	taaataatt	c	tgtactaa	104700
actactcg	ga	aagaaagg	aa	atgagggat	t	attgccat	ag	acagagat	104760
actaggcg	ct	tctgtgcag	a	agcatcgac	c	tcgctcag	ac	tctgtgagg	104820
caacagat	gc	tgaaagcg	tt	taagggaac	tc	actcatat	ct	agctcatg	104880
cactgggct	g	tccaagtg	ggg	gtgttcagg	g	agttatgg	cc	ctaggtta	104940
tgcggtgc	aca	cacacacag	g	cacacacac	g	cacacata	ca	catgcacac	105000
catttatata	t	aagagaaa	ata	ttaatagaa	a	tgaacata	ta	acccacttc	105060
taggagaca	a	aaaaaaag	ac	tacaaact	tc	aaataact	tg	taattagaa	105120
aaattcca	ac	acagctgcc	a	ctggagat	cc	ccccactg	ct	gccagcctg	105180
agagggaag	a	gtggagac	ag	aagttgac	ac	cgcacagc	ag	aggagggag	105240
agacaaaat	c	agctccaaa	a	acgaaagt	cc	tacgcatag	c	gctacaagt	105300
actggaact	c	agcagtcac	a	attcctgg	ct	gcagggcag	g	cactttccag	105360
aggacagt	gg	ccctggga	at	gccatgcac	c	tgaaaagg	ag	gtacacag	105420
gcaaacc	ccg	aggacatg	ggg	agagaaagg	a	aaattcct	gc	acccaaat	105480
catatggat	t	agaatccac	g	gaataaagg	aa	ttcatgag	cc	catagaaat	105540
tgagacact	a	aacagata	ct	gcaactca	at	acaataca	ca	gacttgac	105600
gcagaaac	ac	atgcggtg	ta	aaggacagt	g	ttgggata	at	tagggagac	105660
ctgtagatta	t	catcactg	ga	ttggatca	at	gttaaatt	ttt	ctgaatttg	105720
gtgggttt	t	aagaacat	ct	cttattct	ta	gagacata	at	gtatatgat	105780
tggctcag	ag	aaaaaac	cc	acataggg	ag	aacgcta	agg	caaagtgg	105840
atcaaatg	gt	gaacctg	gtt	gtaaagag	ta	tatgaatt	ttt	ctgtactgt	105900
ttctataag	t	ttgaagtc	at	ttccaaata	aa	aaagtaaaa	a	aagaaaagg	105960
tcttcaagg	c	cttttaaa	at	ctcaggacca	c	ccactctca	a	ctaccta	106020
acgtcatt	ag	aacgggat	gg	aagtcaata	aa	taaaagtc	at	ttcaagtc	106080
ctcggacc	at	tactgaa	ac	cttcacag	c	aactgttt	tc	tgacattac	106140
gttcatag	ca	tcttcatt	at	actgtagta	a	ctctatttt	ct	cttaatttt	106200
ttctactgg	t	agtatctaa	a	aagtactac	a	atggttcag	a	aaaatacac	106260
caattagca	c	taccgaatt	c	tatgacat	gc	tgatctgg	tg	agctcacat	106320
agaagttaa	a	cattacag	at	tcagctgg	aa	tccccaagt	c	actgctcct	106380
tccctctac	c	ccaagcccc	a	caaacaaa	c	catcatcca	a	aatctgctt	106440
aaacactac	a	tatcacgg	aa	caacatgt	ttt	ttctggaa	ac	atatttttg	106500
tggtgact	ta	tgttctagt	t	ccttcatt	ttt	aactgcata	t	gatattcct	106560
acttatct	at	ccatttgc	ct	ctgttgtag	t	atgtttagt	t	tatgtccat	106620
ttactaata	a	tgctagaga	a	gaacatttt	t	atgtccctt	t	gatcatctg	106680

acagcatata tacctaagga agggaatgac cagatcacag gaattactgg aactttcaac 106740
ctcatg 106746